

# 浙江联和电子有限公司

ZHEJIANG LIANHE ELECTRONICS CO., LTD.

## 承 认 书

### SPECIFICATION FOR APPROVAL

客户名称 CUSTOMER	
品名 DESCRIPTION	XH型压接式条形连接器
料号 CUSERTOMER PART NO	A2501
日期 DATE	

### 客户确认 (APPROVED SIGNATURES)

核准 (APPROVAL)	工程 (ENGINEERING)	品管 (QC)
承认结果： <input type="checkbox"/> 承认 <input type="checkbox"/> 不承认 <input type="checkbox"/> 重新送样		



浙江联和电子有限公司  
 ZHEJIANG LIANHE ELECTRONICS CO., LTD.  
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核准 (APPROVAL)	确认 (CHECK)	制作 (PREPARE)

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# 壳体料号命名规则

## Housing Part No. Naming Rules

A 2501 - S H B 02 X2 - \* - \*\* - \*\* - \*\*

A:Wire to Board Connectors  
 B:Board-in Connectors  
 C:Wire to Wire Connectors  
 D:Hard Splices Connectors  
 F:FFC/FPC Connectors  
 I:IDC

系列号 Series Number

Feature Category 特征类别(默认空)

产品类别  
 Product Category:  
 H=壳体 Housing  
 P=密封件 Water Proofing  
 F=配件 Fitting

同类别多型号序号(默认空)

Same Series Different Type: B~ZZ

单列极数 The Pin Number of Single Row: 01~\*\*

多列极数 The Pin Number of Several Row: X2~X\*(无则空)

壳体材料  
 Housing Material:  
 1=PA66  
 2=PA66=G=灼热丝增强  
 3=PA46  
 4=PA6T  
 5=PA9T  
 6=PBT  
 7=PP0  
 8=LCP  
 9=U=PA66-UL

壳体材料特性  
 Housing Material Specialty:  
 V2 UL阻燃等级标准(默认不注明)  
 V0 UL阻燃等级标准  
 Z=灼热丝是按照(IEC60695/GB/T5169)标准,  
 符合GWIT750°C, GWF1960°C

壳体颜色  
 Housing Color:  
 OR=橙色 Orange  
 P=粉色 Pink  
 R=红色 Red  
 VI=紫色 Violet  
 Y=黄色 Yellow  
 GY=灰色 Gray  
 BK=黑色 Black  
 G=绿色 Green  
 BL=蓝色 Blue  
 BR=棕色 Brown  
 TR=透明白 Transparent  
 W=白色 White  
 EC=米色 ECRU  
 TG=透明绿 Transparent Green  
 壳体材料3/4/5/8默认米色  
 壳体材料7默认黑色  
 壳体材料1/2/6/9默认白色  
 (默认可为空)

客户专用代码

Customer Special Code:表示和常规件不同,用来代表某个客户

备注:\*部分内容只在产品标签中体现

# 针座料号命名规则

## Wafer Part No. Naming Rules

4

A: Wire to Board Connectors F: FFC/FPC Connectors I: IDC	A	2501	-	DH	WV	B	02	X2	-	N*	-	C*	-	**	-	**	-	*	-	**	-	**	-	**	-	**
系列号 Series Number																										
特征类别 (默认空) Feature Category: D=固定防呆柱 Fixed																										
DB=防呆柱+全包 B=全包 All inclusive DH=防呆柱+高背型																										
WV=直针座 Straight Angle WR=弯针座 Right Angle																										
产品类别 Product Category: SR=卧贴式 R-SMT																										
同类产品 Product Category: SR=卧贴式 R-SMT																										
同类别多型号序号 (默认空) Same Series Different Type: B~ZZ																										
单列极数 The Pin Number of Single Row: 01~**																										
多列极数 The Pin Number of Several Row: X2~X*(无则空)																										
N为标准缺针, *为非标缺针序号 (例N1. 2. 5) (无则空)																										
C为插针样式不同 (除打点、缺针外) *为序号 (无则空)																										
打点样式 Point Style: K为打点, K2. 4表示在第2枚, 第4枚针上打点. 默认打点无数字标注 (无则空)																										
接触件材料 Contact Material: P=磷青铜 Phos. Bronze B=黄铜 Brass																										
表面处理 Surface Processing: 0=素材酸洗 None 1=镀镍 Nickel Plating 2=镀亮锡 Tin Plating 3=镀镍镭光锡 Matt Tin-Nickel Plating 4=镀铅锡 Tin-Lead Plating 5=镀铜锡 Tin-Cu Plating 6=镀镍银 Silver-Nickel Plating 7=镀镍金 Gold-Nickel Plating 8=镀镍局部金 Half Gold-Nickel Plating 9=镀亮锡局部金 Half Gold-Tin Plating 10=镀镍亮锡 Tin-Nickel Plating																										
默认B10可为空 (A5001默认B3)																										
壳体材料 Housing Material: 1=PA66 2=PA66-G=灼热丝增强 3=PA46 4=PA6T 5=PA9T 6=PBT 7=PP0 8=LCP 9=U=PA66-UL																										
壳体材料特性 Housing Material Specialty: V2 UL阻燃等级标准 (默认不注明) V0 UL阻燃等级标准 Z=灼热丝是按照 (IEC60695/GB/T5169) 标准, 符合GWIT750°C, GWF1960°C																										
其他特殊要求 Other Special Requirements: 如: SE (对固定力要求高5N)																										
壳体颜色 Housing Color: OR=橙色 Orange P=粉色 Pink R=红色 Red VI=紫色 Violet Y=黄色 Yellow GY=灰色 Gray BK=黑色 Black G=绿色 Green BL=蓝色 Blue BR=棕色 Brown TR=透明白 Transparent W=白色 White EC=米色 ECRU TG=透明绿 Transparent Green																										
壳体材料3/4/5/8默认米色 壳体材料7默认黑色 壳体材料1/2/6/9默认白色 (默认可为空)																										
客户专用代码 Customer Special Code: 表示和常规件不同, 用来代表某个客户																										

备注: \*部分内容只在产品标签中体现



# 端子料号命名规则

## Terminal Part No. Naming Rules

A 2501 N - T 2 2 - A 30 5 - P 2

A:Wire to Board Connectors  
 B:Board-in Connectors  
 C:Wire to Wire Connectors  
 F:FFC/FPC Connectors  
 I:IDC  
 D:Hard Splices Connectors

系列号 Series Number

K=直形带锁 N=直形  
 Z=旗形带锁 Q=旗形  
 X=横插带锁 H=横插  
 Y=叉形端子 J=插片  
 R=环形端子 C=圆形  
 G=接线端子  
 W=鲨鱼齿端子

特征类别(默认空) B=子弹形端子  
 Feature Category:U=耳扒形端子

产品类别

Product Category:T=端子 Terminal

同类别多型号序号(默认空)

Same Series Different Type: 1~9

同型号多尺寸序号(默认空)

Same Type Different size: 1~9

适用线规(默认空) A=小脚 B=中脚

Applicable Wire:C=高脚 D=大脚

料带厚度单位:mm X100 (0.3X100=30 默认空)

配合厚度单位:mm X10 (0.5X10=5 默认空)

注:所有<灰色>说明,为D系列分类附加料号及说明!

S=不锈钢 Stainless Steel

材质 P=磷青铜 Phos. Bronnze

Material:B=黄铜 Brass

0=素材酸洗 None

1=镀镍 Nickel Plating

2=镀亮锡 Tin Plating

3=镀镍氩光锡 Matt Tin-Nickel Plating

4=镀铅锡 Tin-Lead Plating

5=镀铜锡 Tin-Cu Plating

6=镀镍银 Silver-Nickel Plating

7=镀镍金 Gold-Nickel Plating

8=镀镍局部金 Half Gold-Nickel Plating

表面处理 9=镀亮锡局部金 Half Gold-Tin Plating

Surface Processing: 10=镀镍亮锡 Tin-Nickel Plating

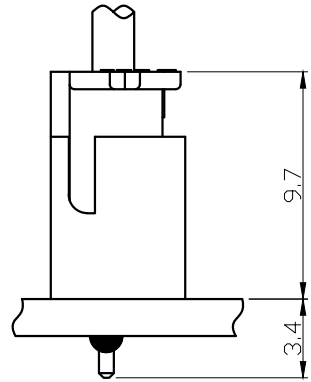
备注:表面处理内容只在产品标签中体现

# XH连接器承认图面

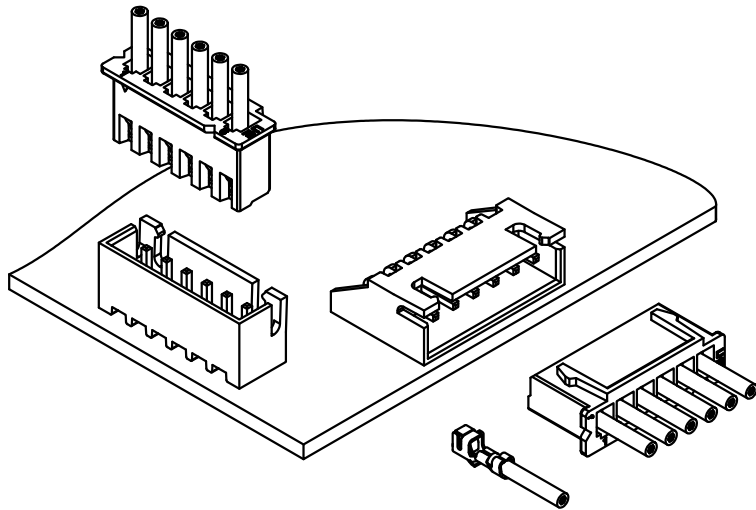
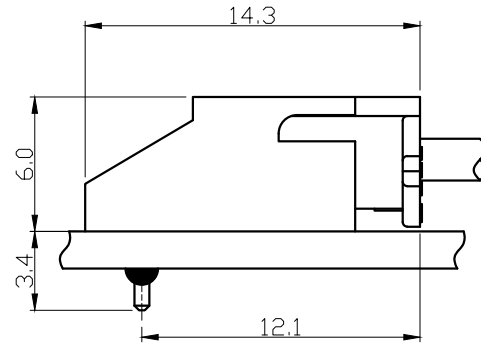
REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	

## 安装尺寸 Mounting Measurement

### 立式 Straight Angle (V-Type)



### 卧式 Right Angle (R-Type)



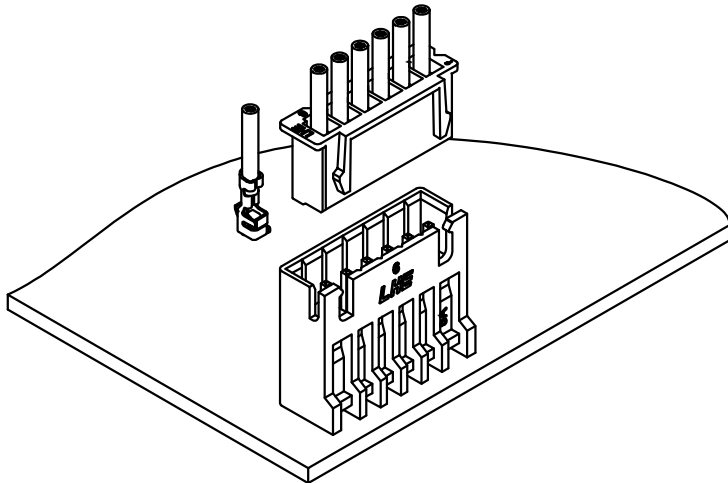
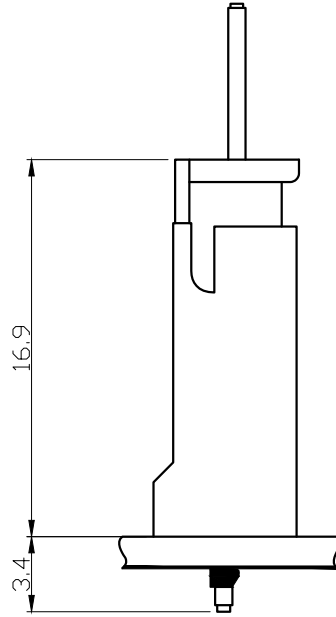
未注公差				<b>LHE</b> ® 浙江联和电子有限公司				ZHEJIANG LIANHE ELECTRONICS CO., LTD	
X.° ±3° X. X° ±0.5°				单位	比例	Design Units	SIZE	页码	
>0-3	>3-18	>18-50	>50-120	MM Only	—	METRIC	A4		
±0.12	±0.15	±0.3	±0.5	制作	审核	批准	材料	图号	Part No.
				见图解	品名	XH			

旧底图总号
底图总号
签字
日期

# XH连接器承认图面

REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	

## 安装尺寸 Mounting Measurement



旧底图总号

底图总号

签字

日期

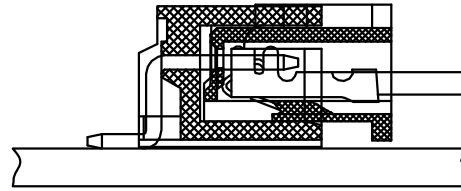
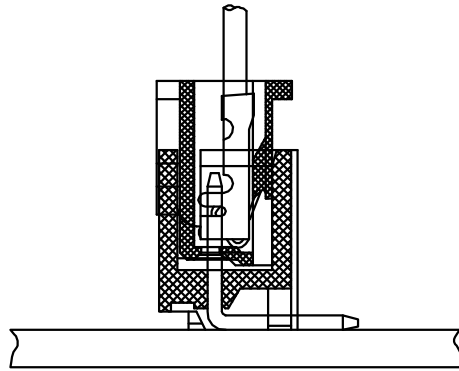
未注公差				<b>LHE</b> ® 浙江联和电子有限公司				ZHEJIANG LIANHE ELECTRONICS CO., LTD	
X.° ±3° X. X° ±0.5°				单位	比例	Design Units	SIZE	页码	
>0-3	>3-18	>18-50	>50-120	MM Only	—	METRIC	A4		
±0.12	±0.15	±0.3	±0.5	制作	审核	批准	材料	图号	Part No.
				见图解	品名	XH高背			

# XH连接器承认图面

REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	

## 安装尺寸 Mounting Measurement

立式 Straight Angle (V-Type)      卧式 Right Angle (R-Type)



旧底图总号

底图总号

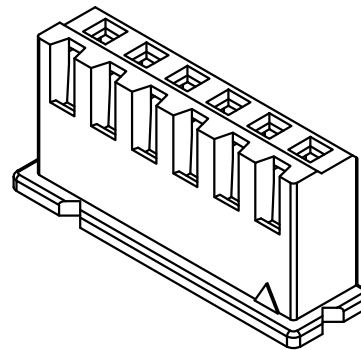
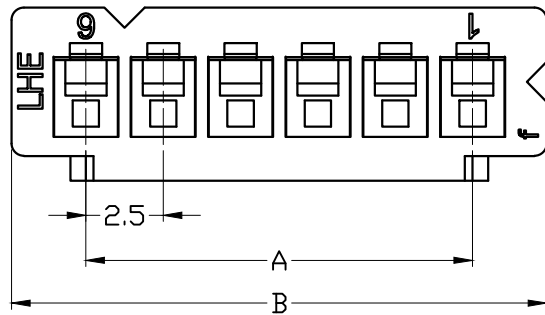
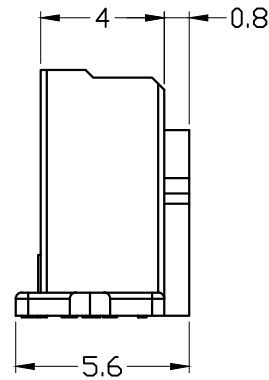
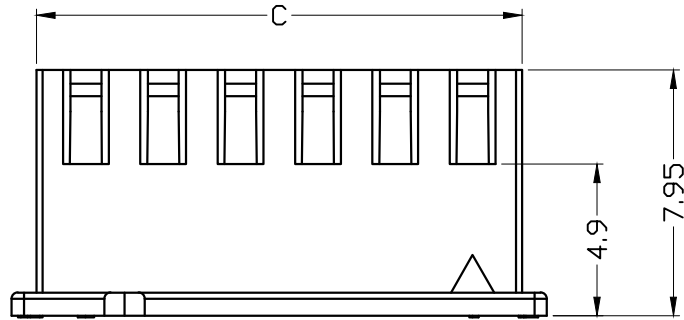
签字

日期

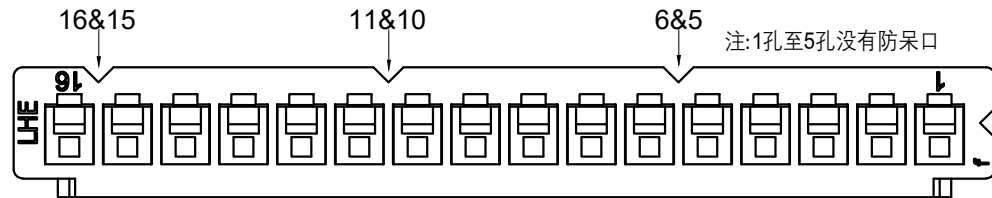
未注公差				<b>LHE</b> ® 浙江联和电子有限公司					
X.° ±3° X.X° ±0.5°				ZHEJIANG LIANHE ELECTRONICS CO., LTD					
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
见图解				品名		XH贴片			

# XH型连接器承认图面

REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	



Poles	Part No.		Dimensions mm		
			A	B	C
2	A2501-H02	XH-2Y	2.50	7.3	5.7
3	A2501-H03	XH-3Y	5.00	9.8	8.2
4	A2501-H04	XH-4Y	7.50	12.3	10.7
5	A2501-H05	XH-5Y	10.00	14.8	13.2
6	A2501-H06	XH-6Y	12.50	17.3	15.7
7	A2501-H07	XH-7Y	15.00	19.8	18.2
8	A2501-H08	XH-8Y	17.50	22.3	20.7
9	A2501-H09	XH-9Y	20.00	24.8	23.2
10	A2501-H10	XH-10Y	22.50	27.3	25.7
11	A2501-H11	XH-11Y	25.00	29.8	28.2
12	A2501-H12	XH-12Y	27.50	32.3	30.7
13	A2501-H13	XH-13Y	30.00	34.8	33.2
14	A2501-H14	XH-14Y	32.50	37.3	35.7
15	A2501-H15	XH-15Y	35.00	39.8	38.2
16	A2501-H16	XH-16Y	37.50	42.3	40.7
17	A2501-H17	XH-17Y	40.00	44.8	43.2
18	A2501-H18	XH-18Y	42.50	47.3	45.7
19	A2501-H19	XH-19Y	45.00	49.8	48.2
20	A2501-H20	XH-20Y	47.50	52.3	50.7

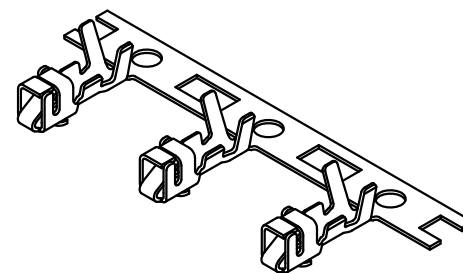
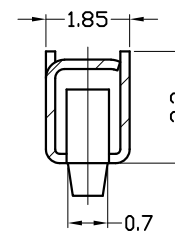
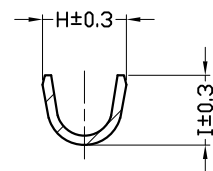
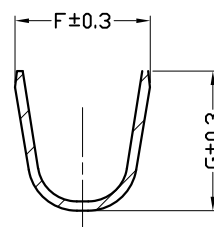
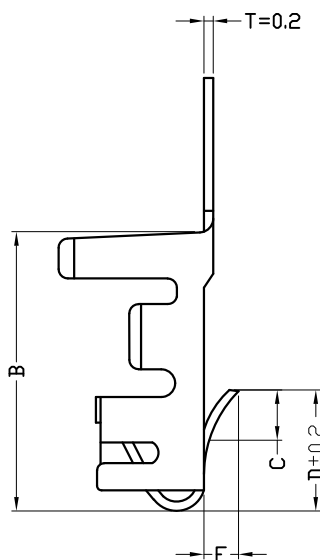
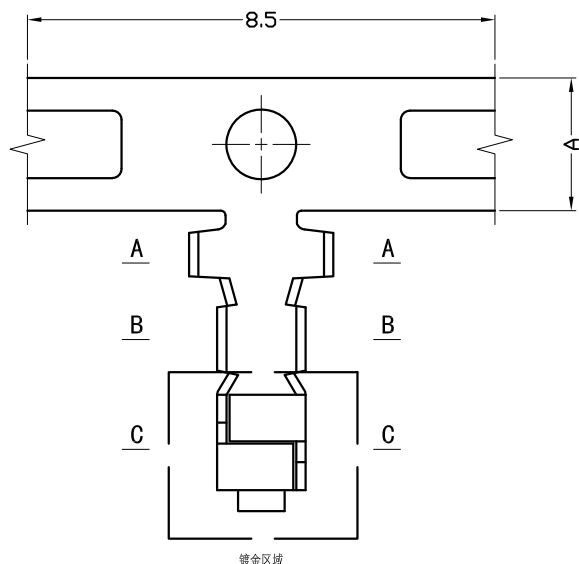


1	Housing 胶壳	PA66 (UL94V-0)	1	White (白色)	
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD			
X.° ±3° X.X° ±0.5°		单位	比例	Design Units	SIZE 页码
>0-3	>3-18	>18-50	>50-120	MM Only	METRIC A4
±0.12	±0.15	±0.3	±0.5	材料	图号
制作	审核	批准	材料	图号	Part No.
见图解		品名	XH-NY		

旧底图总号  
底图总号  
签字  
日期

# XH端子承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1	①	T11松变更为T12, T218变更为T22, T21松变更为T23, T21耐长变更为T24	WZY		20190629
A/2	②	增加T25型号	YF		20211115
A/3	③	取消端子表面处理说明	YF		20220118
A/4	④	停用T22端子	YF		20220118
A/5	⑤	更改T21端子尺寸	YF		20220328
A/6	⑥	高低温环境测试从85°C,更新到105°C	YF		20220916



Part No.	A	B	C	D	E	F	G	H	I	Material	Finish	Qty/reel	
A2501-TP	XH-T11	3.0	6.45	1.65~1.9	2.4	0.8	2.9	3.0	1.8	1.5	Phosphor Bronze	TIN	6000pcs
① A2501-T12P	XH-T12	3.0	6.45	1.65~1.9	2.4	0.8	2.9	3.0	1.8	1.5	Phosphor Bronze	TIN	6000pcs
A2501-T13P	XH-T13	3.0	6.45	1.65~1.9	2.4	0.9	2.9	3.0	1.8	1.5	Phosphor Bronze	TIN	6000pcs
⑤ A2501-T21P	XH-T21	2.8	6.3	1.65~1.9	2.4	0.85	2.9	3.0	1.8	1.5	Phosphor Bronze	TIN	6000pcs
④ A2501-T22P	XH-T22	2.8	6.3	1.65~1.9	2.4	0.85	2.9	3.0	1.8	1.5	Phosphor Bronze	TIN	6000pcs
① A2501-T23P	XH-T23	2.8	6.3	1.1~1.3	2.4	0.8	2.9	3.0	1.8	1.5	Phosphor Bronze	TIN	6000pcs
① A2501-T24P	XH-T24	2.8	6.3	1.05~1.3	2.7	0.8	2.9	3.0	1.8	1.5	Phosphor Bronze	TIN	6000pcs
② A2501-T25P	XH-T25	2.8	6.3	1.0~1.3	2.4	0.8	2.6	2.35	1.6	1.2	Phosphor Bronze	TIN	6000pcs

## 主要技术参数 Main Specifications

线数 (poles): 2 to 20P  
 额定电流 (Current rating): 3.0A AC, DC  
 额定电压 (Voltage rating): 250V AC, DC  
 温度范围 (Temperature range): -25°C to +105°C ⑥  
 接触电阻 (Contact resistance): ≤10mΩ  
 绝缘电阻 (Insulation resistance): ≥1000MΩ  
 耐压 (Withstand voltage): 1000V AC/minute  
 适用线规 (Applicable wire): AWG #30 to #22  
 线材绝缘体外径 (Wire Insulation O.D.): 1.2 to 1.9mm  
 线材铜丝横截面积 (Section area mm<sup>2</sup>): 0.08 to 0.33

## 未注公差

X.° ±3° X.X.° ±0.5°

>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4	

制作 审核 批准 材料 图号

见图解 品名

**LHE** 浙江联和电子有限公司  
 ZHEJIANG LIANHE ELECTRONICS CO., LTD

单位	比例	Design Units	SIZE	页码
MM Only	—	METRIC	A4	

Part No.

XH-T

旧底图总号

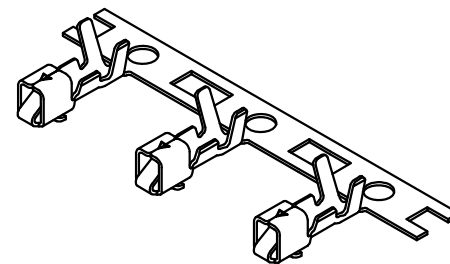
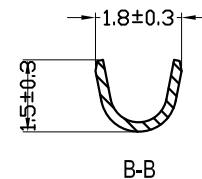
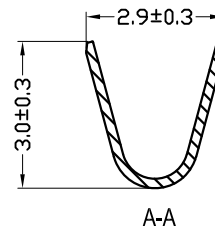
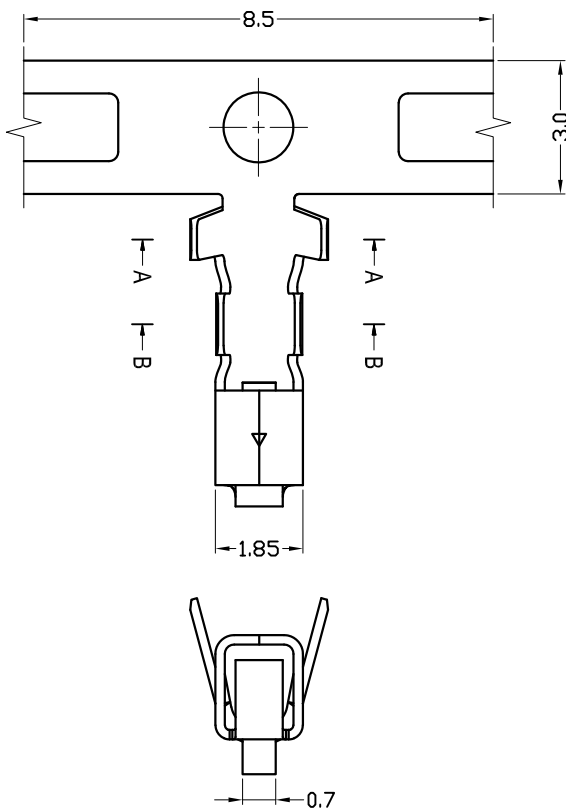
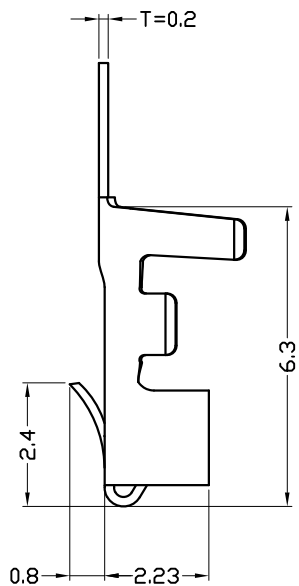
底图总号

签字

日期

# XH端子承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1	①	取消端子表面处理说明	YF		20220118
A/2	②	高低温环境测试从85℃,更新到105℃	YF		20220916



## 主要技术参数 Main Specifications

线数 (poles): 2 to 20P  
 额定电流 (Current rating): 3.0A AC, DC  
 额定电压 (Voltage rating): 250V AC, DC  
 温度范围 (Temperature range): -25°C to +105°C ②  
 接触电阻 (Contact resistance): ≤10mΩ  
 绝缘电阻 (Insulation resistance): ≥1000MΩ  
 耐电压 (Withstand voltage): 1000V AC/minute  
 适用线规 (Applicable wire): AWG #30 to #22  
 线材绝缘体外径 (Wire Insulation O.D.): 1.2 to 1.9mm  
 线材铜丝横截面积 (Section area mm<sup>2</sup>): 0.08 to 0.33

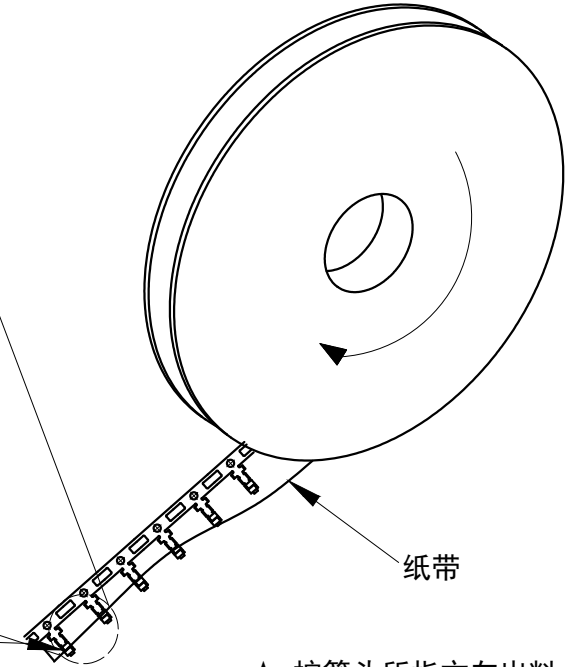
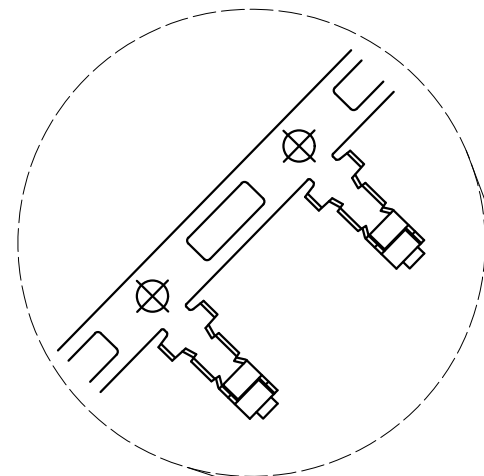
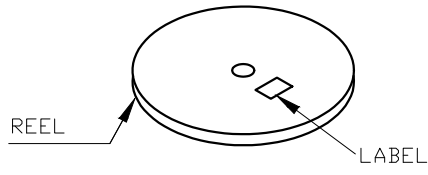
Part No.	Material	Finish	Qty/reel
A2501-T31	XH-T31	Phosphor Bronze	TIN
			6000pcs

未注公差				LHE <sup>®</sup> 浙江联和电子有限公司						
X.° ±3° X.X° ±0.5°				ZHEJIANG LIANHE ELECTRONICS CO., LTD						
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码		
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4			
制作	审核	批准	材料	图号			Part No.			
				见图解	品名	XH-T				

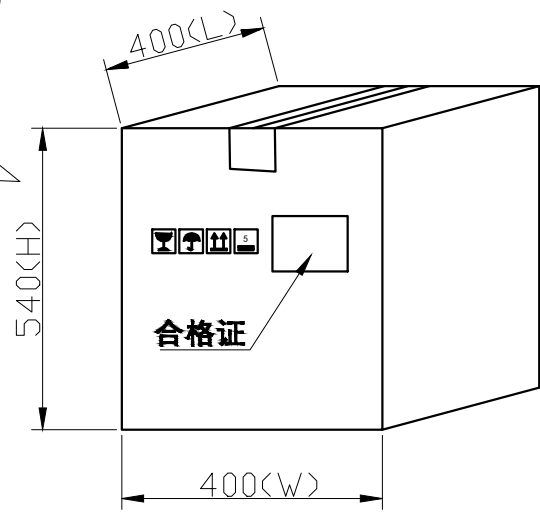
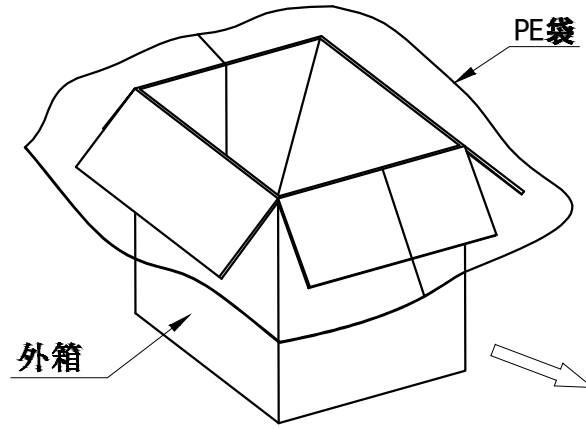
旧底图总号  
 底图总号  
 签字  
 日期

# XH端子承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1					



★ 按箭头所指方向出料



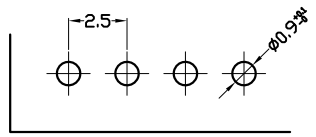
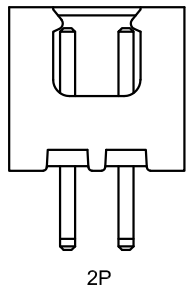
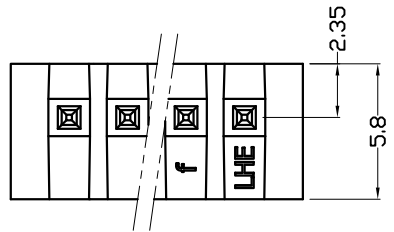
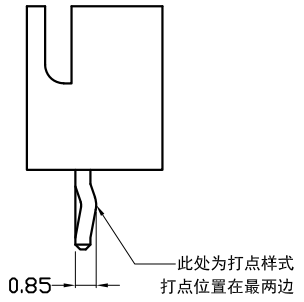
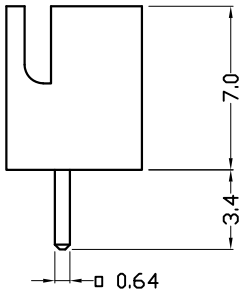
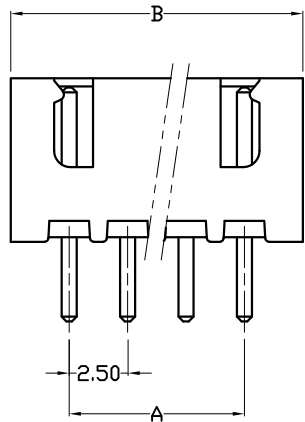
未注公差				<b>LHE</b> ® 浙江联和电子有限公司					
X.° ±3° X.X° ±0.5°				ZHEJIANG LIANHE ELECTRONICS CO., LTD					
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
见图解				品名	XH-T包装				

旧底图总号
底图总号
签字
日期

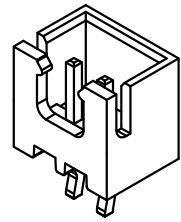


# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸, 由原先的0.9改为0.85	YF		20220125



P. C. B LAYOUT



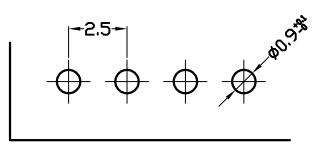
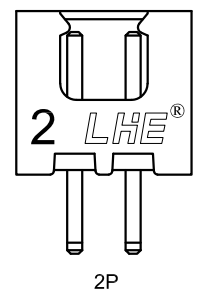
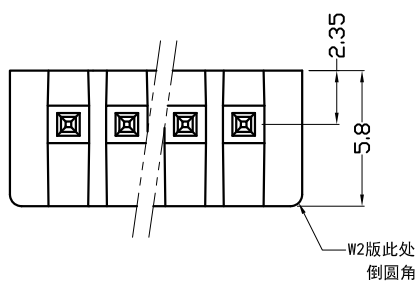
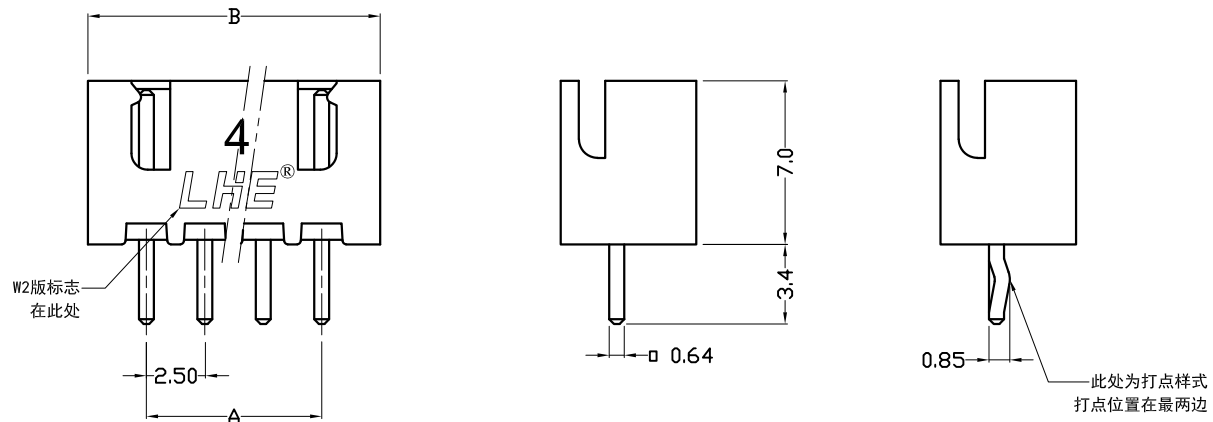
Poles	Part No.			Dimensions mm	
				A	B
2	A2501-WV02	XH-2A		2.50	7.50
3	A2501-WV03	XH-3A		5.00	10.00
4	A2501-WV04	XH-4A		7.50	12.50
5	A2501-WV05	XH-5A		10.00	15.00
6	A2501-WV06	XH-6A		12.50	17.50
7	A2501-WV07	XH-7A		15.00	20.00
8	A2501-WV08	XH-8A		17.50	22.50
9	A2501-WV09	XH-9A		20.00	25.00
10	A2501-WV10	XH-10A		22.50	27.50
11	A2501-WV11	XH-11A		25.00	30.00
12	A2501-WV12	XH-12A		27.50	32.50
13	A2501-WV13	XH-13A		30.00	35.00
14	A2501-WV14	XH-14A		32.50	37.50
15	A2501-WV15	XH-15A		35.00	40.00
16	A2501-WV16	XH-16A		37.50	42.50
17	A2501-WV17	XH-17A		40.00	45.00
18	A2501-WV18	XH-18A		42.50	47.50
19	A2501-WV19	XH-19A		45.00	50.00
20	A2501-WV20	XH-20A		47.50	52.50
2	A2501-WV02-K	XH-2A打点		2.50	7.50
3	A2501-WV03-K	XH-3A打点		5.00	10.00
4	A2501-WV04-K	XH-4A打点		7.50	12.50
5	A2501-WV05-K	XH-5A打点		10.00	15.00
6	A2501-WV06-K	XH-6A打点		12.50	17.50
7	A2501-WV07-K	XH-7A打点		15.00	20.00
8	A2501-WV08-K	XH-8A打点		17.50	22.50
9	A2501-WV09-K	XH-9A打点		20.00	25.00
10	A2501-WV10-K	XH-10A打点		22.50	27.50
11	A2501-WV11-K	XH-11A打点		25.00	30.00
12	A2501-WV12-K	XH-12A打点		27.50	32.50
13	A2501-WV13-K	XH-13A打点		30.00	35.00
14	A2501-WV14-K	XH-14A打点		32.50	37.50
15	A2501-WV15-K	XH-15A打点		35.00	40.00
16	A2501-WV16-K	XH-16A打点		37.50	42.50
17	A2501-WV17-K	XH-17A打点		40.00	45.00
18	A2501-WV18-K	XH-18A打点		42.50	47.50
19	A2501-WV19-K	XH-19A打点		45.00	50.00
20	A2501-WV20-K	XH-20A打点		47.50	52.50

2		Wafer 针	Brass Tin 黄铜镀锡	N	
1		Housing 基座	PA66 (UL94V-0)	1	White (白色)
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> ® 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD			
X.° ±3° X.X° ±0.5°					
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	MM Only	—
制作		审核	批准	材料	图号
见图解		品名		Part No.	
<b>XH-NA</b>					

旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸, 由原先的0.9改为0.85	YF		20220125



**P. C. B LAYOUT**

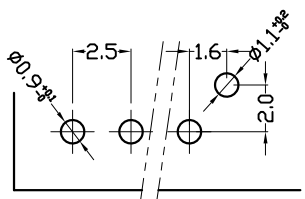
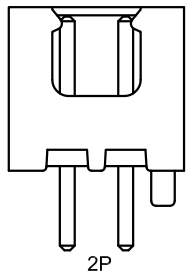
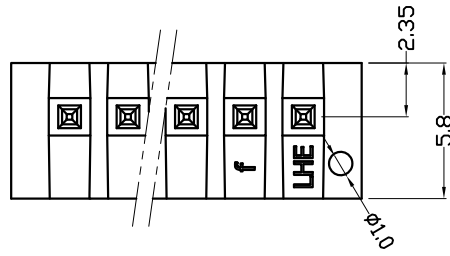
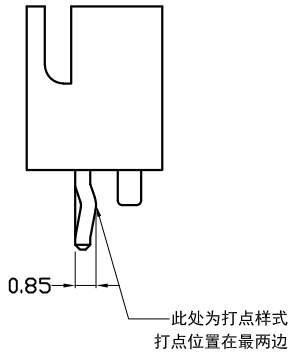
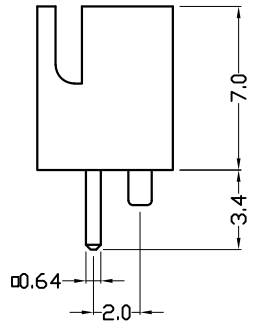
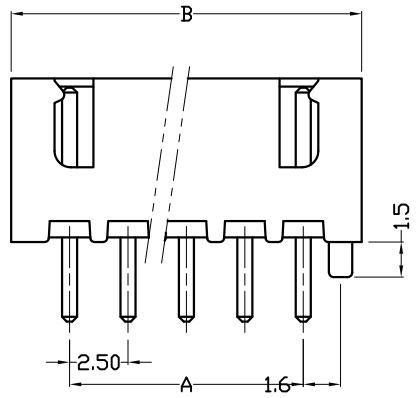
Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-WV02 (W2)	XH-2A (W2)	2.50	7.50
3	A2501-WV03 (W2)	XH-3A (W2)	5.00	10.00
4	A2501-WV04 (W2)	XH-4A (W2)	7.50	12.50
5	A2501-WV05 (W2)	XH-5A (W2)	10.00	15.00
6	A2501-WV06 (W2)	XH-6A (W2)	12.50	17.50
7	A2501-WV07 (W2)	XH-7A (W2)	15.00	20.00
8	A2501-WV08 (W2)	XH-8A (W2)	17.50	22.50
9	A2501-WV09 (W2)	XH-9A (W2)	20.00	25.00
10	A2501-WV10 (W2)	XH-10A (W2)	22.50	27.50
11	A2501-WV11 (W2)	XH-11A (W2)	25.00	30.00
12	A2501-WV12 (W2)	XH-12A (W2)	27.50	32.50
13	A2501-WV13 (W2)	XH-13A (W2)	30.00	35.00
14	A2501-WV14 (W2)	XH-14A (W2)	32.50	37.50
15	A2501-WV15 (W2)	XH-15A (W2)	35.00	40.00
16	A2501-WV16 (W2)	XH-16A (W2)	37.50	42.50
17	A2501-WV17 (W2)	XH-17A (W2)	40.00	45.00
18	A2501-WV18 (W2)	XH-18A (W2)	42.50	47.50
19	A2501-WV19 (W2)	XH-19A (W2)	45.00	50.00
20	A2501-WV20 (W2)	XH-20A (W2)	47.50	52.50
2	A2501-WV02 (W2)-K	XH-2A (W2) 打点	2.50	7.50
3	A2501-WV03 (W2)-K	XH-3A (W2) 打点	5.00	10.00
4	A2501-WV04 (W2)-K	XH-4A (W2) 打点	7.50	12.50
5	A2501-WV05 (W2)-K	XH-5A (W2) 打点	10.00	15.00
6	A2501-WV06 (W2)-K	XH-6A (W2) 打点	12.50	17.50
7	A2501-WV07 (W2)-K	XH-7A (W2) 打点	15.00	20.00
8	A2501-WV08 (W2)-K	XH-8A (W2) 打点	17.50	22.50
9	A2501-WV09 (W2)-K	XH-9A (W2) 打点	20.00	25.00
10	A2501-WV10 (W2)-K	XH-10A (W2) 打点	22.50	27.50
11	A2501-WV11 (W2)-K	XH-11A (W2) 打点	25.00	30.00
12	A2501-WV12 (W2)-K	XH-12A (W2) 打点	27.50	32.50
13	A2501-WV13 (W2)-K	XH-13A (W2) 打点	30.00	35.00
14	A2501-WV14 (W2)-K	XH-14A (W2) 打点	32.50	37.50
15	A2501-WV15 (W2)-K	XH-15A (W2) 打点	35.00	40.00
16	A2501-WV16 (W2)-K	XH-16A (W2) 打点	37.50	42.50
17	A2501-WV17 (W2)-K	XH-17A (W2) 打点	40.00	45.00
18	A2501-WV18 (W2)-K	XH-18A (W2) 打点	42.50	47.50
19	A2501-WV19 (W2)-K	XH-19A (W2) 打点	45.00	50.00
20	A2501-WV20 (W2)-K	XH-20A (W2) 打点	47.50	52.50

2	Wafer 针	Brass Tin 黄铜镀锡	N		
1	Housing 基座	PA66 (UL94V-0)	1 White (白色)		
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> 浙江联和电子有限公司			
X.° ±3° X.X° ±0.5°		ZHEJIANG LIANHE ELECTRONICS CO., LTD			
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	MM Only	—
制作		审核	批准	材料	图号
见图解		品名		Part No.	
<b>XH-NA (W2)</b>					

旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸,由原先的0.9改为0.85	YF		20220125



**P. C. B LAYOUT**

Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-DWV02	XH-2AD	2.50	7.50
3	A2501-DWV03	XH-3AD	5.00	10.00
4	A2501-DWV04	XH-4AD	7.50	12.50
5	A2501-DWV05	XH-5AD	10.00	15.00
6	A2501-DWV06	XH-6AD	12.50	17.50
7	A2501-DWV07	XH-7AD	15.00	20.00
8	A2501-DWV08	XH-8AD	17.50	22.50
9	A2501-DWV09	XH-9AD	20.00	25.00
10	A2501-DWV10	XH-10AD	22.50	27.50
11	A2501-DWV11	XH-11AD	25.00	30.00
12	A2501-DWV12	XH-12AD	27.50	32.50
13	A2501-DWV13	XH-13AD	30.00	35.00
14	A2501-DWV14	XH-14AD	32.50	37.50
15	A2501-DWV15	XH-15AD	35.00	40.00
16	A2501-DWV16	XH-16AD	37.50	42.50
17	A2501-DWV17	XH-17AD	40.00	45.00
18	A2501-DWV18	XH-18AD	42.50	47.50
19	A2501-DWV19	XH-19AD	45.00	50.00
20	A2501-DWV20	XH-20AD	47.50	52.50

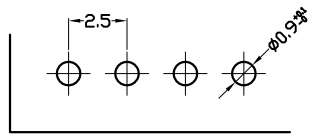
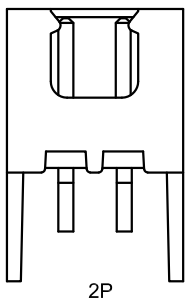
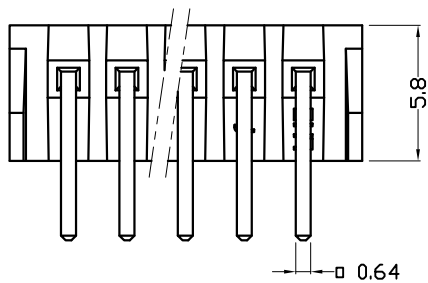
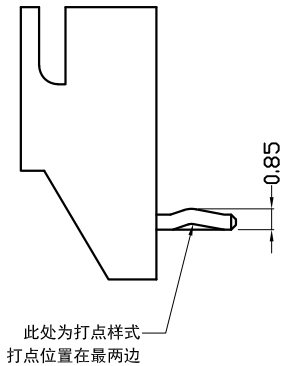
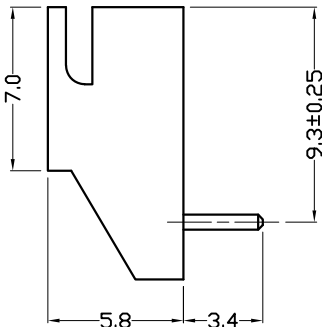
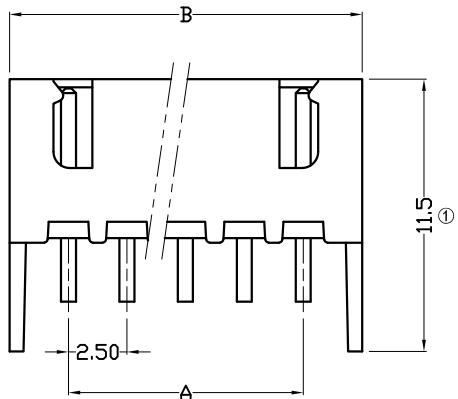
2	A2501-DWV02-K	XH-2AD打点	2.50	7.50
3	A2501-DWV03-K	XH-3AD打点	5.00	10.00
4	A2501-DWV04-K	XH-4AD打点	7.50	12.50
5	A2501-DWV05-K	XH-5AD打点	10.00	15.00
6	A2501-DWV06-K	XH-6AD打点	12.50	17.50
7	A2501-DWV07-K	XH-7AD打点	15.00	20.00
8	A2501-DWV08-K	XH-8AD打点	17.50	22.50
9	A2501-DWV09-K	XH-9AD打点	20.00	25.00
10	A2501-DWV10-K	XH-10AD打点	22.50	27.50
11	A2501-DWV11-K	XH-11AD打点	25.00	30.00
12	A2501-DWV12-K	XH-12AD打点	27.50	32.50
13	A2501-DWV13-K	XH-13AD打点	30.00	35.00
14	A2501-DWV14-K	XH-14AD打点	32.50	37.50
15	A2501-DWV15-K	XH-15AD打点	35.00	40.00
16	A2501-DWV16-K	XH-16AD打点	37.50	42.50
17	A2501-DWV17-K	XH-17AD打点	40.00	45.00
18	A2501-DWV18-K	XH-18AD打点	42.50	47.50
19	A2501-DWV19-K	XH-19AD打点	45.00	50.00
20	A2501-DWV20-K	XH-20AD打点	47.50	52.50

2	Wafer 针	Brass Tin 黄铜镀锡	N		
1	Housing 基座	PA66 (UL94V-0)	1 White (白色)		
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> 浙江联和电子有限公司			
X.° ±3° X.X° ±0.5°		ZHEJIANG LIANHE ELECTRONICS CO., LTD			
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	Design Units	SIZE
MM Only				METRIC	A4
制作	审核	批准	材料	图号	Part No.
见图解			品名	XH-NAD	

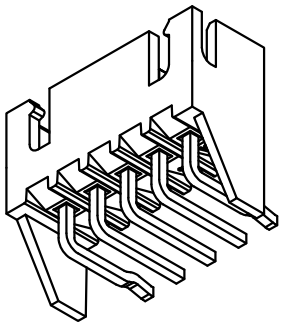
旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸,由原先的0.9改为0.85	YF		20220125
A/2	①	原11.6更改为11.5	YF		20220125



P. C. B LAYOUT



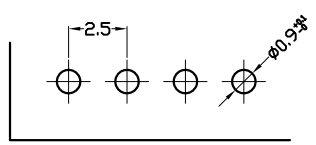
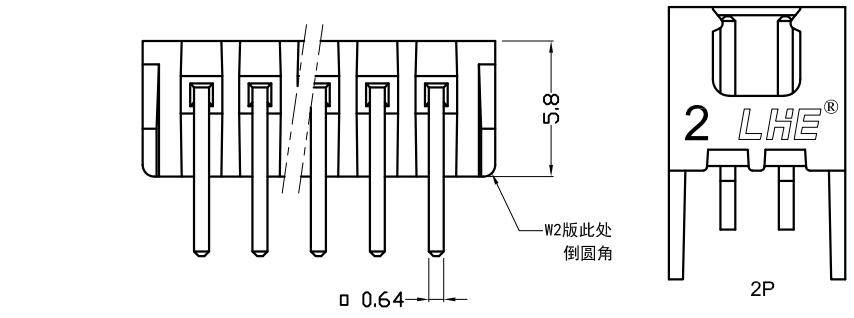
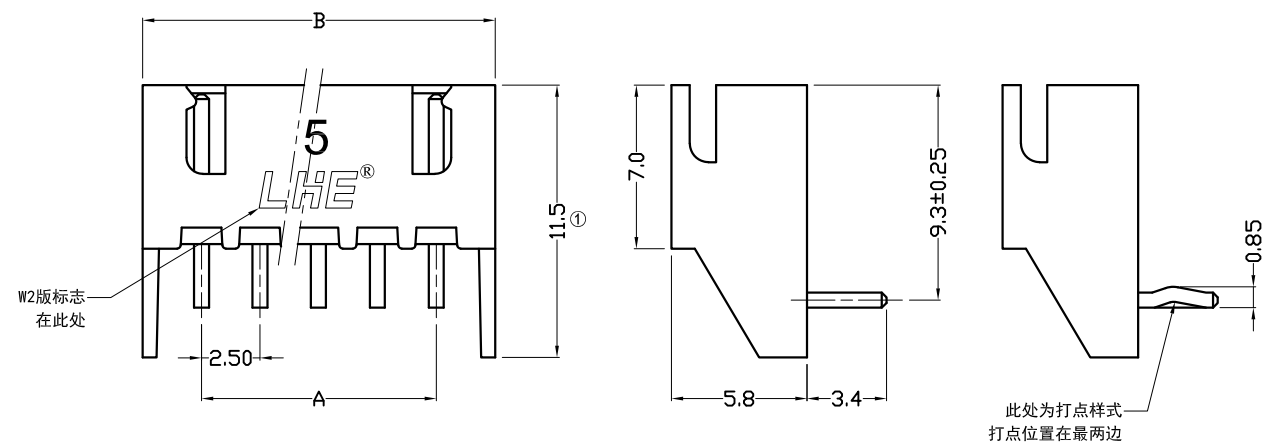
Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-WR02	XH-2AWGD	2.50	7.50
3	A2501-WR03	XH-3AWGD	5.00	10.00
4	A2501-WR04	XH-4AWGD	7.50	12.50
5	A2501-WR05	XH-5AWGD	10.00	15.00
6	A2501-WR06	XH-6AWGD	12.50	17.50
7	A2501-WR07	XH-7AWGD	15.00	20.00
8	A2501-WR08	XH-8AWGD	17.50	22.50
9	A2501-WR09	XH-9AWGD	20.00	25.00
10	A2501-WR10	XH-10AWGD	22.50	27.50
11	A2501-WR11	XH-11AWGD	25.00	30.00
12	A2501-WR12	XH-12AWGD	27.50	32.50
13	A2501-WR13	XH-13AWGD	30.00	35.00
14	A2501-WR14	XH-14AWGD	32.50	37.50
15	A2501-WR15	XH-15AWGD	35.00	40.00
16	A2501-WR16	XH-16AWGD	37.50	42.50
17	A2501-WR17	XH-17AWGD	40.00	45.00
18	A2501-WR18	XH-18AWGD	42.50	47.50
19	A2501-WR19	XH-19AWGD	45.00	50.00
20	A2501-WR20	XH-20AWGD	47.50	52.50
2	A2501-WR02-K	XH-2AWGD打点	2.50	7.50
3	A2501-WR03-K	XH-3AWGD打点	5.00	10.00
4	A2501-WR04-K	XH-4AWGD打点	7.50	12.50
5	A2501-WR05-K	XH-5AWGD打点	10.00	15.00
6	A2501-WR06-K	XH-6AWGD打点	12.50	17.50
7	A2501-WR07-K	XH-7AWGD打点	15.00	20.00
8	A2501-WR08-K	XH-8AWGD打点	17.50	22.50
9	A2501-WR09-K	XH-9AWGD打点	20.00	25.00
10	A2501-WR10-K	XH-10AWGD打点	22.50	27.50
11	A2501-WR11-K	XH-11AWGD打点	25.00	30.00
12	A2501-WR12-K	XH-12AWGD打点	27.50	32.50
13	A2501-WR13-K	XH-13AWGD打点	30.00	35.00
14	A2501-WR14-K	XH-14AWGD打点	32.50	37.50
15	A2501-WR15-K	XH-15AWGD打点	35.00	40.00
16	A2501-WR16-K	XH-16AWGD打点	37.50	42.50
17	A2501-WR17-K	XH-17AWGD打点	40.00	45.00
18	A2501-WR18-K	XH-18AWGD打点	42.50	47.50
19	A2501-WR19-K	XH-19AWGD打点	45.00	50.00
20	A2501-WR20-K	XH-20AWGD打点	47.50	52.50

2	Wafer 针	Brass Tin 黄铜镀锡	N						
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)					
序号	图号	名称	材料	数量	附注				
未注公差		LHE <sup>®</sup> 浙江联和电子有限公司							
X.° ±3° X.X° ±0.5°		ZHEJIANG LIANHE ELECTRONICS CO., LTD							
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	⊕
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
见图解		品名		XH-NAWGD					

旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸,由原先的0.9改为0.85	YF		20220125
A/2	①	原11.6更改为11.5	YF		20220125



**P. C. B LAYOUT**

Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-WR02 (W2)	XH-2AWGD (W2)	2.50	7.50
3	A2501-WR03 (W2)	XH-3AWGD (W2)	5.00	10.00
4	A2501-WR04 (W2)	XH-4AWGD (W2)	7.50	12.50
5	A2501-WR05 (W2)	XH-5AWGD (W2)	10.00	15.00
6	A2501-WR06 (W2)	XH-6AWGD (W2)	12.50	17.50
7	A2501-WR07 (W2)	XH-7AWGD (W2)	15.00	20.00
8	A2501-WR08 (W2)	XH-8AWGD (W2)	17.50	22.50
9	A2501-WR09 (W2)	XH-9AWGD (W2)	20.00	25.00
10	A2501-WR10 (W2)	XH-10AWGD (W2)	22.50	27.50
11	A2501-WR11 (W2)	XH-11AWGD (W2)	25.00	30.00
12	A2501-WR12 (W2)	XH-12AWGD (W2)	27.50	32.50
13	A2501-WR13 (W2)	XH-13AWGD (W2)	30.00	35.00
14	A2501-WR14 (W2)	XH-14AWGD (W2)	32.50	37.50
15	A2501-WR15 (W2)	XH-15AWGD (W2)	35.00	40.00
16	A2501-WR16 (W2)	XH-16AWGD (W2)	37.50	42.50
17	A2501-WR17 (W2)	XH-17AWGD (W2)	40.00	45.00
18	A2501-WR18 (W2)	XH-18AWGD (W2)	42.50	47.50
19	A2501-WR19 (W2)	XH-19AWGD (W2)	45.00	50.00
20	A2501-WR20 (W2)	XH-20AWGD (W2)	47.50	52.50

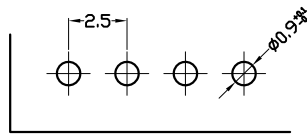
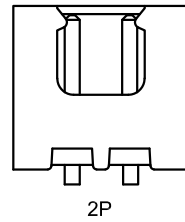
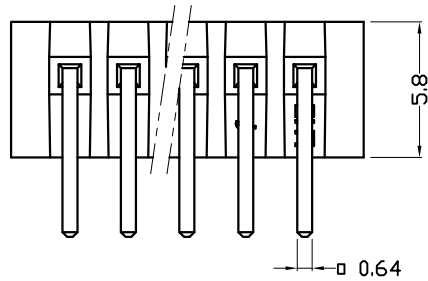
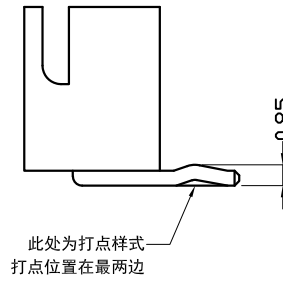
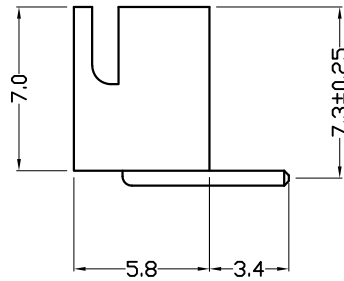
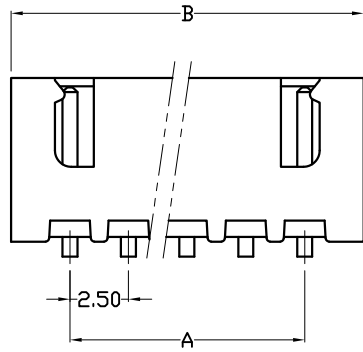
2	A2501-WR02 (W2)-K	XH-2AWGD (W2) 打点	2.50	7.50
3	A2501-WR03 (W2)-K	XH-3AWGD (W2) 打点	5.00	10.00
4	A2501-WR04 (W2)-K	XH-4AWGD (W2) 打点	7.50	12.50
5	A2501-WR05 (W2)-K	XH-5AWGD (W2) 打点	10.00	15.00
6	A2501-WR06 (W2)-K	XH-6AWGD (W2) 打点	12.50	17.50
7	A2501-WR07 (W2)-K	XH-7AWGD (W2) 打点	15.00	20.00
8	A2501-WR08 (W2)-K	XH-8AWGD (W2) 打点	17.50	22.50
9	A2501-WR09 (W2)-K	XH-9AWGD (W2) 打点	20.00	25.00
10	A2501-WR10 (W2)-K	XH-10AWGD (W2) 打点	22.50	27.50
11	A2501-WR11 (W2)-K	XH-11AWGD (W2) 打点	25.00	30.00
12	A2501-WR12 (W2)-K	XH-12AWGD (W2) 打点	27.50	32.50
13	A2501-WR13 (W2)-K	XH-13AWGD (W2) 打点	30.00	35.00
14	A2501-WR14 (W2)-K	XH-14AWGD (W2) 打点	32.50	37.50
15	A2501-WR15 (W2)-K	XH-15AWGD (W2) 打点	35.00	40.00
16	A2501-WR16 (W2)-K	XH-16AWGD (W2) 打点	37.50	42.50
17	A2501-WR17 (W2)-K	XH-17AWGD (W2) 打点	40.00	45.00
18	A2501-WR18 (W2)-K	XH-18AWGD (W2) 打点	42.50	47.50
19	A2501-WR19 (W2)-K	XH-19AWGD (W2) 打点	45.00	50.00
20	A2501-WR20 (W2)-K	XH-20AWGD (W2) 打点	47.50	52.50

2	Wafer 针	Brass Tin 黄铜镀锡	N		
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)	
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> 浙江联和电子有限公司			
X.° ±3° X.X° ±0.5°		ZHEJIANG LIANHE ELECTRONICS CO., LTD			
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	MM Only	—
制作		审核	批准	材料	图号
见图解		品名		Part No.	
<b>XH-NAWGD (W2)</b>					

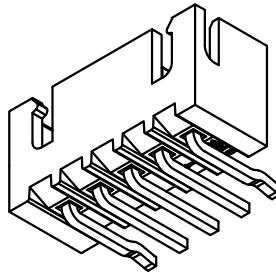
旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸,由原先的0.9改为0.85	YF		2022/01/25



**P. C. B LAYOUT**



Poles	Part No.		Dimensions mm	
			A	B
2	A2501-WRB02	XH-2AW	2.50	7.50
3	A2501-WRB03	XH-3AW	5.00	10.00
4	A2501-WRB04	XH-4AW	7.50	12.50
5	A2501-WRB05	XH-5AW	10.00	15.00
6	A2501-WRB06	XH-6AW	12.50	17.50
7	A2501-WRB07	XH-7AW	15.00	20.00
8	A2501-WRB08	XH-8AW	17.50	22.50
9	A2501-WRB09	XH-9AW	20.00	25.00
10	A2501-WRB10	XH-10AW	22.50	27.50
11	A2501-WRB11	XH-11AW	25.00	30.00
12	A2501-WRB12	XH-12AW	27.50	32.50
13	A2501-WRB13	XH-13AW	30.00	35.00
14	A2501-WRB14	XH-14AW	32.50	37.50
15	A2501-WRB15	XH-15AW	35.00	40.00
16	A2501-WRB16	XH-16AW	37.50	42.50
17	A2501-WRB17	XH-17AW	40.00	45.00
18	A2501-WRB18	XH-18AW	42.50	47.50
19	A2501-WRB19	XH-19AW	45.00	50.00
20	A2501-WRB20	XH-20AW	47.50	52.50
2	A2501-WRB02-K	XH-2AW打点	2.50	7.50
3	A2501-WRB03-K	XH-3AW打点	5.00	10.00
4	A2501-WRB04-K	XH-4AW打点	7.50	12.50
5	A2501-WRB05-K	XH-5AW打点	10.00	15.00
6	A2501-WRB06-K	XH-6AW打点	12.50	17.50
7	A2501-WRB07-K	XH-7AW打点	15.00	20.00
8	A2501-WRB08-K	XH-8AW打点	17.50	22.50
9	A2501-WRB09-K	XH-9AW打点	20.00	25.00
10	A2501-WRB10-K	XH-10AW打点	22.50	27.50
11	A2501-WRB11-K	XH-11AW打点	25.00	30.00
12	A2501-WRB12-K	XH-12AW打点	27.50	32.50
13	A2501-WRB13-K	XH-13AW打点	30.00	35.00
14	A2501-WRB14-K	XH-14AW打点	32.50	37.50
15	A2501-WRB15-K	XH-15AW打点	35.00	40.00
16	A2501-WRB16-K	XH-16AW打点	37.50	42.50
17	A2501-WRB17-K	XH-17AW打点	40.00	45.00
18	A2501-WRB18-K	XH-18AW打点	42.50	47.50
19	A2501-WRB19-K	XH-19AW打点	45.00	50.00
20	A2501-WRB20-K	XH-20AW打点	47.50	52.50

2	Wafer 针	Brass Tin 黄铜镀锡	N		
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)	
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> 浙江联和电子有限公司			
X.° ±3° X.X° ±0.5°		ZHEJIANG LIANHE ELECTRONICS CO., LTD			
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	MM Only	—
制作		审核	批准	材料	图号
见图解		品名		Part No.	
<b>XH-NAW</b>					

旧底图总号

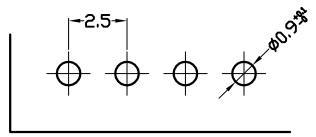
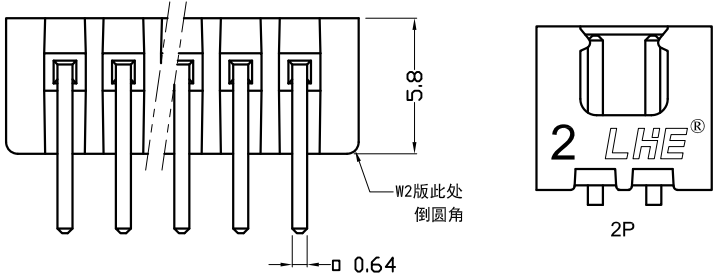
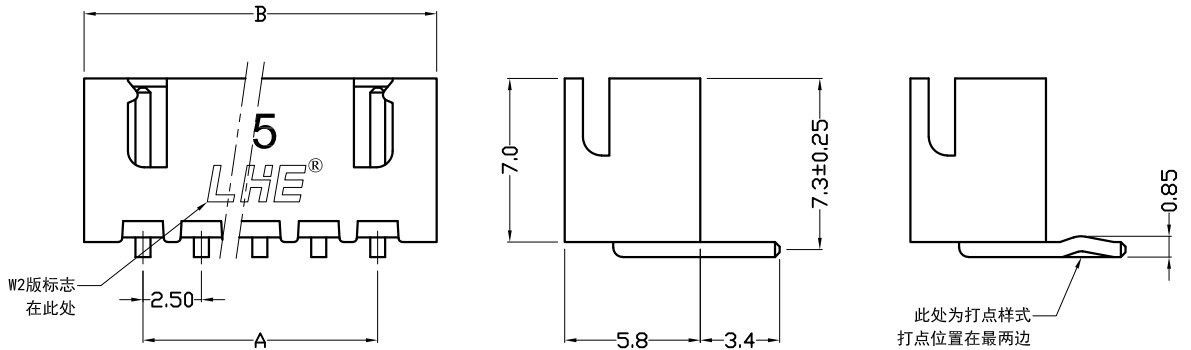
底图总号

签字

日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸,由原先的0.9改为0.85	YF		20220125



**P. C. B LAYOUT**

Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-WRB02 (W2)	XH-2AW (W2)	2.50	7.50
3	A2501-WRB03 (W2)	XH-3AW (W2)	5.00	10.00
4	A2501-WRB04 (W2)	XH-4AW (W2)	7.50	12.50
5	A2501-WRB05 (W2)	XH-5AW (W2)	10.00	15.00
6	A2501-WRB06 (W2)	XH-6AW (W2)	12.50	17.50
7	A2501-WRB07 (W2)	XH-7AW (W2)	15.00	20.00
8	A2501-WRB08 (W2)	XH-8AW (W2)	17.50	22.50
9	A2501-WRB09 (W2)	XH-9AW (W2)	20.00	25.00
10	A2501-WRB10 (W2)	XH-10AW (W2)	22.50	27.50
11	A2501-WRB11 (W2)	XH-11AW (W2)	25.00	30.00
12	A2501-WRB12 (W2)	XH-12AW (W2)	27.50	32.50
13	A2501-WRB13 (W2)	XH-13AW (W2)	30.00	35.00
14	A2501-WRB14 (W2)	XH-14AW (W2)	32.50	37.50
15	A2501-WRB15 (W2)	XH-15AW (W2)	35.00	40.00
16	A2501-WRB16 (W2)	XH-16AW (W2)	37.50	42.50
17	A2501-WRB17 (W2)	XH-17AW (W2)	40.00	45.00
18	A2501-WRB18 (W2)	XH-18AW (W2)	42.50	47.50
19	A2501-WRB19 (W2)	XH-19AW (W2)	45.00	50.00
20	A2501-WRB20 (W2)	XH-20AW (W2)	47.50	52.50

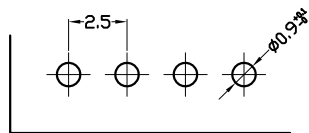
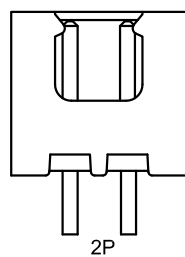
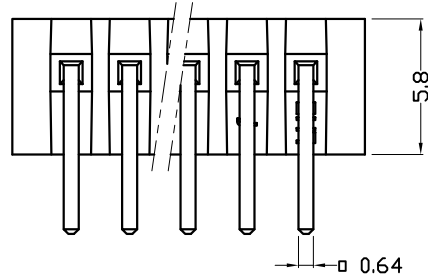
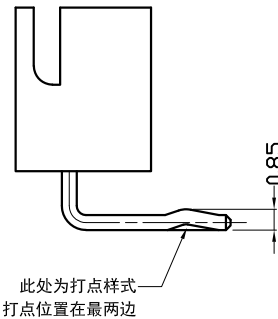
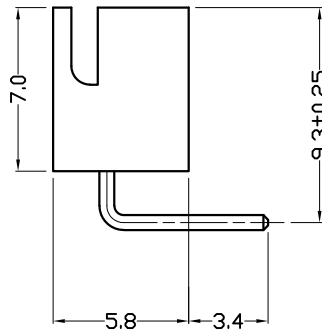
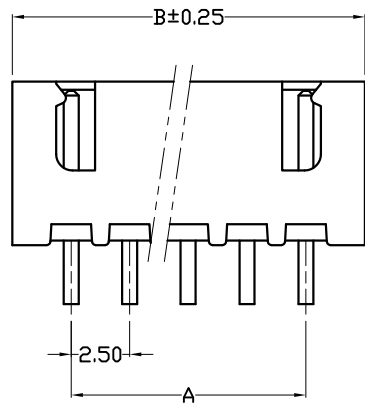
2	A2501-WRB02 (W2)-K	XH-2AW (W2) 打点	2.50	7.50
3	A2501-WRB03 (W2)-K	XH-3AW (W2) 打点	5.00	10.00
4	A2501-WRB04 (W2)-K	XH-4AW (W2) 打点	7.50	12.50
5	A2501-WRB05 (W2)-K	XH-5AW (W2) 打点	10.00	15.00
6	A2501-WRB06 (W2)-K	XH-6AW (W2) 打点	12.50	17.50
7	A2501-WRB07 (W2)-K	XH-7AW (W2) 打点	15.00	20.00
8	A2501-WRB08 (W2)-K	XH-8AW (W2) 打点	17.50	22.50
9	A2501-WRB09 (W2)-K	XH-9AW (W2) 打点	20.00	25.00
10	A2501-WRB10 (W2)-K	XH-10AW (W2) 打点	22.50	27.50
11	A2501-WRB11 (W2)-K	XH-11AW (W2) 打点	25.00	30.00
12	A2501-WRB12 (W2)-K	XH-12AW (W2) 打点	27.50	32.50
13	A2501-WRB13 (W2)-K	XH-13AW (W2) 打点	30.00	35.00
14	A2501-WRB14 (W2)-K	XH-14AW (W2) 打点	32.50	37.50
15	A2501-WRB15 (W2)-K	XH-15AW (W2) 打点	35.00	40.00
16	A2501-WRB16 (W2)-K	XH-16AW (W2) 打点	37.50	42.50
17	A2501-WRB17 (W2)-K	XH-17AW (W2) 打点	40.00	45.00
18	A2501-WRB18 (W2)-K	XH-18AW (W2) 打点	42.50	47.50
19	A2501-WRB19 (W2)-K	XH-19AW (W2) 打点	45.00	50.00
20	A2501-WRB20 (W2)-K	XH-20AW (W2) 打点	47.50	52.50

2	Wafer 针	Brass Tin 黄铜镀锡	N						
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)					
序号	图号	名称	材料	数量	附注				
未注公差		<b>LHE</b> ® 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD							
X.° ±3° X.X° ±0.5°									
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
			见图解	品名	XH-NAW (W2)				

旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸, 由原先的0.9改为0.85	YF		20220125



**P. C. B LAYOUT**

Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-WRC02	XH-2AWG	2.50	7.50
3	A2501-WRC03	XH-3AWG	5.00	10.00
4	A2501-WRC04	XH-4AWG	7.50	12.50
5	A2501-WRC05	XH-5AWG	10.00	15.00
6	A2501-WRC06	XH-6AWG	12.50	17.50
7	A2501-WRC07	XH-7AWG	15.00	20.00
8	A2501-WRC08	XH-8AWG	17.50	22.50
9	A2501-WRC09	XH-9AWG	20.00	25.00
10	A2501-WRC10	XH-10AWG	22.50	27.50
11	A2501-WRC11	XH-11AWG	25.00	30.00
12	A2501-WRC12	XH-12AWG	27.50	32.50
13	A2501-WRC13	XH-13AWG	30.00	35.00
14	A2501-WRC14	XH-14AWG	32.50	37.50
15	A2501-WRC15	XH-15AWG	35.00	40.00
16	A2501-WRC16	XH-16AWG	37.50	42.50
17	A2501-WRC17	XH-17AWG	40.00	45.00
18	A2501-WRC18	XH-18AWG	42.50	47.50
19	A2501-WRC19	XH-19AWG	45.00	50.00
20	A2501-WRC20	XH-20AWG	47.50	52.50
2	A2501-WRC02-K	XH-2AWG打点	2.50	7.50
3	A2501-WRC03-K	XH-3AWG打点	5.00	10.00
4	A2501-WRC04-K	XH-4AWG打点	7.50	12.50
5	A2501-WRC05-K	XH-5AWG打点	10.00	15.00
6	A2501-WRC06-K	XH-6AWG打点	12.50	17.50
7	A2501-WRC07-K	XH-7AWG打点	15.00	20.00
8	A2501-WRC08-K	XH-8AWG打点	17.50	22.50
9	A2501-WRC09-K	XH-9AWG打点	20.00	25.00
10	A2501-WRC10-K	XH-10AWG打点	22.50	27.50
11	A2501-WRC11-K	XH-11AWG打点	25.00	30.00
12	A2501-WRC12-K	XH-12AWG打点	27.50	32.50
13	A2501-WRC13-K	XH-13AWG打点	30.00	35.00
14	A2501-WRC14-K	XH-14AWG打点	32.50	37.50
15	A2501-WRC15-K	XH-15AWG打点	35.00	40.00
16	A2501-WRC16-K	XH-16AWG打点	37.50	42.50
17	A2501-WRC17-K	XH-17AWG打点	40.00	45.00
18	A2501-WRC18-K	XH-18AWG打点	42.50	47.50
19	A2501-WRC19-K	XH-19AWG打点	45.00	50.00
20	A2501-WRC20-K	XH-20AWG打点	47.50	52.50

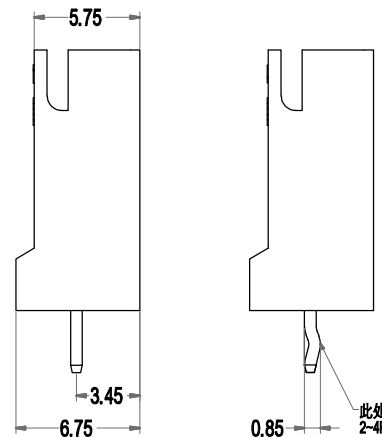
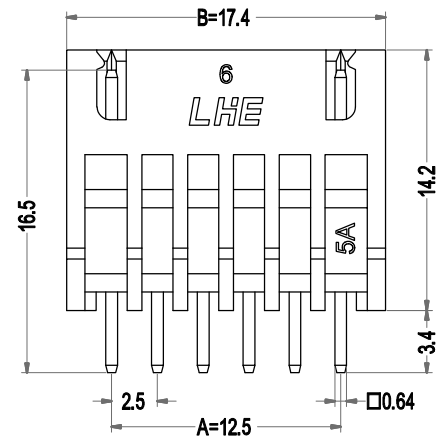
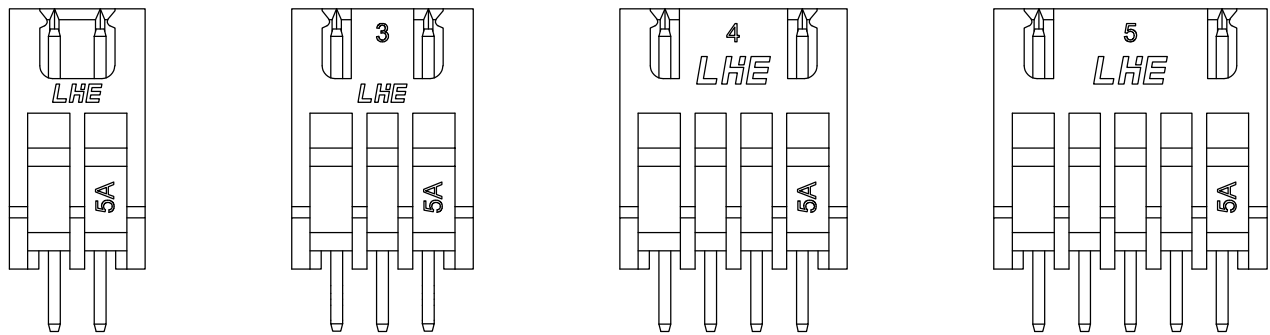
2	Wafer 针	Brass Tin 黄铜镀锡	N						
1	Housing 基座	PA66 (UL94V-0)	1 White (白色)						
序号	图号	名称	材料	数量	附注				
未注公差		<b>LHE</b> ® 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD							
X.° ±3° X.X° ±0.5°									
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
			见图解	品名	XH-NAWG				

旧底图总号  
底图总号  
签字  
日期

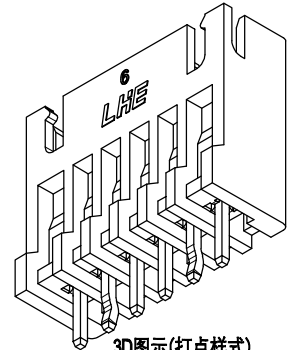
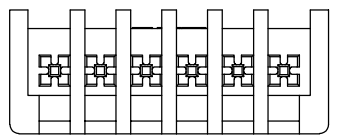


# XH连接器承认图面

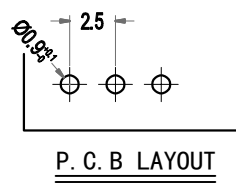
REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸,由原先的0.9改为0.85	YF		20220125



此处为打点样式(常规即为打点)  
2-4P打点位置在靠两边  
5-16P打点位置在两边第二针



3D图示(打点样式)



P.C.B LAYOUT

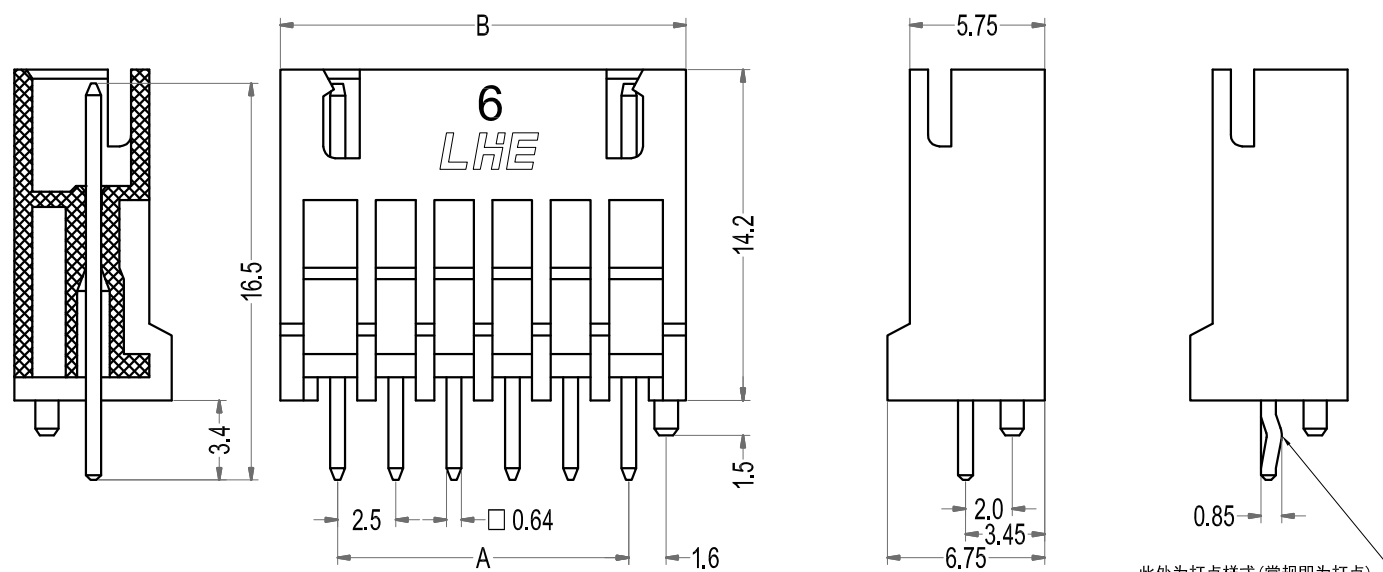
Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-HWV02	XH-2A (BH)	2.50	7.40
3	A2501-HWV03	XH-3A (BH)	5.00	9.90
4	A2501-HWV04	XH-4A (BH)	7.50	12.40
5	A2501-HWV05	XH-5A (BH)	10.00	14.90
6	A2501-HWV06	XH-6A (BH)	12.50	17.40
7	A2501-HWV07	XH-7A (BH)	15.00	19.90
8	A2501-HWV08	XH-8A (BH)	17.50	22.40
9	A2501-HWV09	XH-9A (BH)	20.00	24.90
10	A2501-HWV10	XH-10A (BH)	22.50	27.40
11	A2501-HWV11	XH-11A (BH)	25.00	29.90
12	A2501-HWV12	XH-12A (BH)	27.50	32.40
13	A2501-HWV13	XH-13A (BH)	30.00	34.90
14	A2501-HWV14	XH-14A (BH)	32.50	37.40
15	A2501-HWV15	XH-15A (BH)	35.00	39.90
16	A2501-HWV16	XH-16A (BH)	37.50	42.40
2	A2501-HWV02-K	XH-2A (BH) 打点	2.50	7.40
3	A2501-HWV03-K	XH-3A (BH) 打点	5.00	9.90
4	A2501-HWV04-K	XH-4A (BH) 打点	7.50	12.40
5	A2501-HWV05-K	XH-5A (BH) 打点	10.00	14.90
6	A2501-HWV06-K	XH-6A (BH) 打点	12.50	17.40
7	A2501-HWV07-K	XH-7A (BH) 打点	15.00	19.90
8	A2501-HWV08-K	XH-8A (BH) 打点	17.50	22.40
9	A2501-HWV09-K	XH-9A (BH) 打点	20.00	24.90
10	A2501-HWV10-K	XH-10A (BH) 打点	22.50	27.40
11	A2501-HWV11-K	XH-11A (BH) 打点	25.00	29.90
12	A2501-HWV12-K	XH-12A (BH) 打点	27.50	32.40
13	A2501-HWV13-K	XH-13A (BH) 打点	30.00	34.90
14	A2501-HWV14-K	XH-14A (BH) 打点	32.50	37.40
15	A2501-HWV15-K	XH-15A (BH) 打点	35.00	39.90
16	A2501-HWV16-K	XH-16A (BH) 打点	37.50	42.40

2	Wafer 针	Brass Tin 黄铜镀锡	N						
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)					
序号	图号	名称	材料	数量	附注				
未注公差		<b>LHE</b> ® 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD							
X.° ±3° X.X° ±0.5°									
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
			见图解	品名	XH-NA (BH)				

旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸, 由原先的0.9改为0.85	YF		20220125

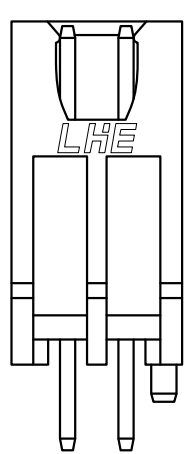


此处为打点样式(常规即为打点)  
2~4P打点位置在最两边  
5~16P打点位置在两边第二针

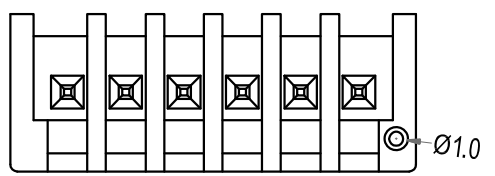
Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-DHWV02	XH-2AD (BH)	2.50	7.40
3	A2501-DHWV03	XH-3AD (BH)	5.00	9.90
4	A2501-DHWV04	XH-4AD (BH)	7.50	12.40
5	A2501-DHWV05	XH-5AD (BH)	10.00	14.90
6	A2501-DHWV06	XH-6AD (BH)	12.50	17.40
7	A2501-DHWV07	XH-7AD (BH)	15.00	19.90
8	A2501-DHWV08	XH-8AD (BH)	17.50	22.40
9	A2501-DHWV09	XH-9AD (BH)	20.00	24.90
10	A2501-DHWV10	XH-10AD (BH)	22.50	27.40
11	A2501-DHWV11	XH-11AD (BH)	25.00	29.90
12	A2501-DHWV12	XH-12AD (BH)	27.50	32.40
13	A2501-DHWV13	XH-13AD (BH)	30.00	34.90
14	A2501-DHWV14	XH-14AD (BH)	32.50	37.40
15	A2501-DHWV15	XH-15AD (BH)	35.00	39.90
16	A2501-DHWV16	XH-16AD (BH)	37.50	42.40

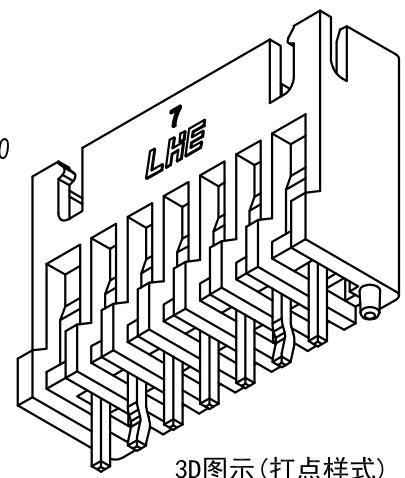
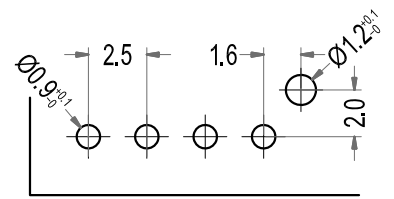
2	A2501-DHWV02-K	XH-2AD (BH) 打点	2.50	7.40
3	A2501-DHWV03-K	XH-3AD (BH) 打点	5.00	9.90
4	A2501-DHWV04-K	XH-4AD (BH) 打点	7.50	12.40
5	A2501-DHWV05-K	XH-5AD (BH) 打点	10.00	14.90
6	A2501-DHWV06-K	XH-6AD (BH) 打点	12.50	17.40
7	A2501-DHWV07-K	XH-7AD (BH) 打点	15.00	19.90
8	A2501-DHWV08-K	XH-8AD (BH) 打点	17.50	22.40
9	A2501-DHWV09-K	XH-9AD (BH) 打点	20.00	24.90
10	A2501-DHWV10-K	XH-10AD (BH) 打点	22.50	27.40
11	A2501-DHWV11-K	XH-11AD (BH) 打点	25.00	29.90
12	A2501-DHWV12-K	XH-12AD (BH) 打点	27.50	32.40
13	A2501-DHWV13-K	XH-13AD (BH) 打点	30.00	34.90
14	A2501-DHWV14-K	XH-14AD (BH) 打点	32.50	37.40
15	A2501-DHWV15-K	XH-15AD (BH) 打点	35.00	39.90
16	A2501-DHWV16-K	XH-16AD (BH) 打点	37.50	42.40



2P



P. C. B LAYOUT



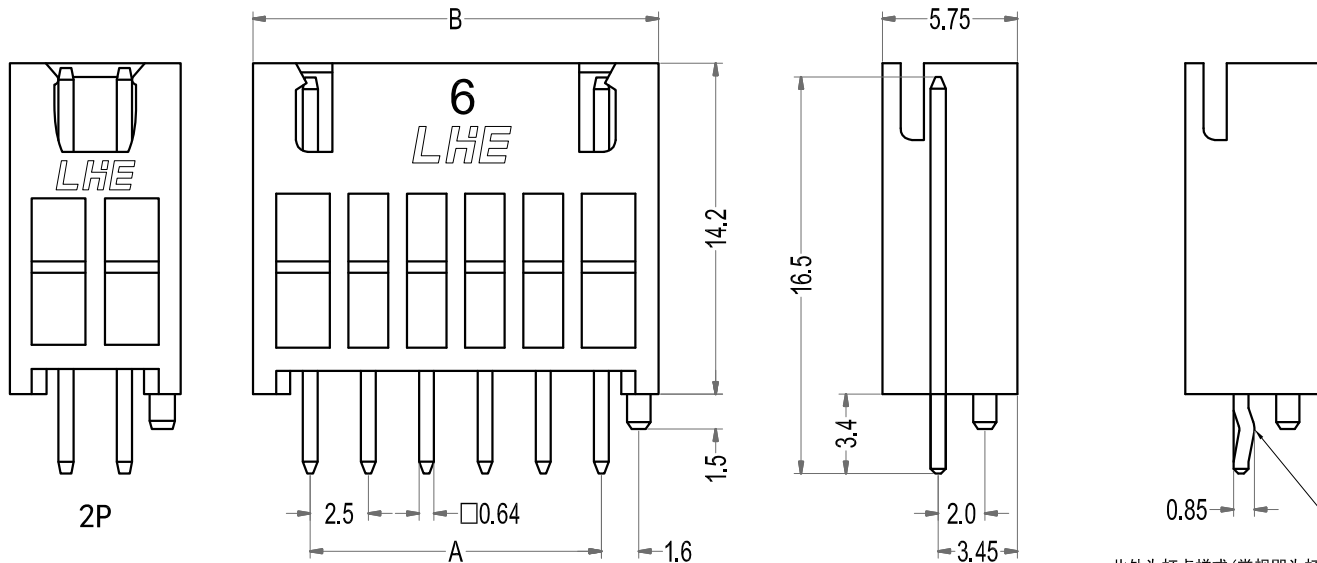
3D图示(打点样式)

2	Wafer 针	Brass Tin 黄铜镀锡	N						
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)					
序号	图号	名称	材料	数量	附注				
未注公差		<b>LHE</b> ® 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD							
X.° ±3° X.X° ±0.5°									
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
			见图解	品名	XH-NAD (BH)				

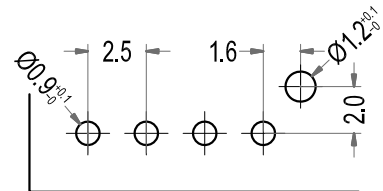
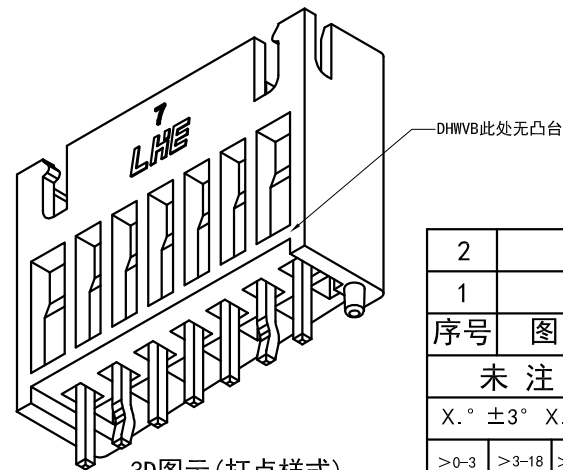
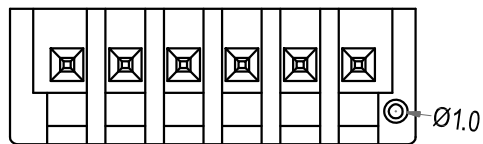
旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸, 由原先的0.9改为0.85	YF		20220125



此处为打点样式(常规即为打点)  
2~4P打点位置在最两边  
5~16P打点位置在两边第二针



**P. C. B LAYOUT**

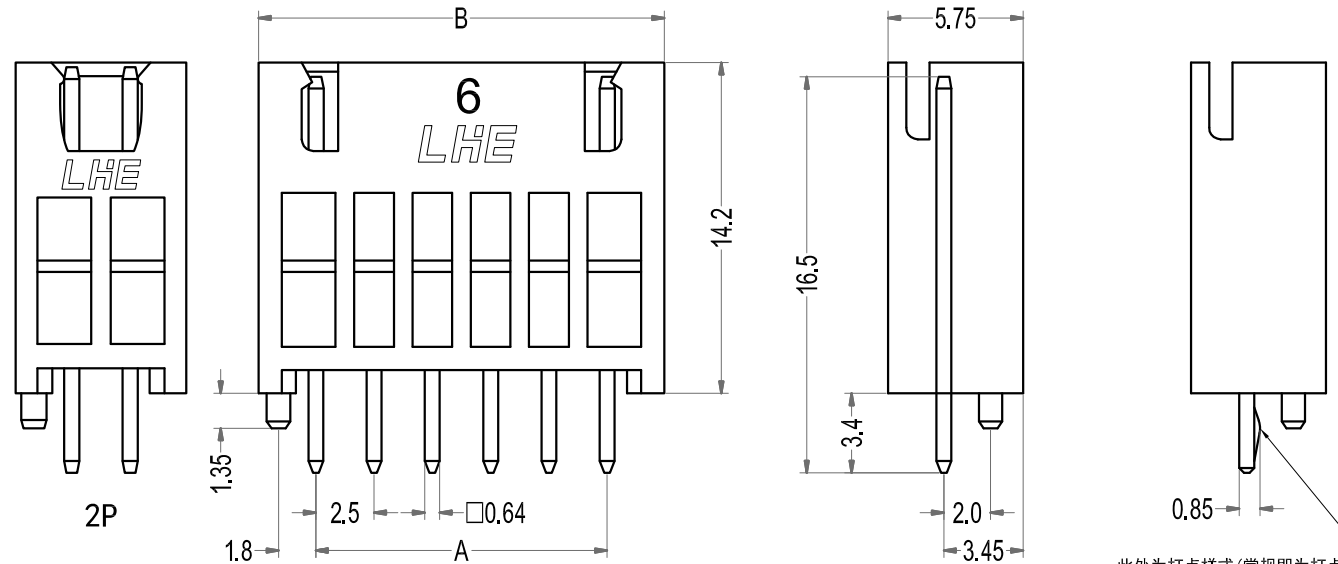
Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-DHWVB02	XH-2ADB (BH)	2.50	7.40
3	A2501-DHWVB03	XH-3ADB (BH)	5.00	9.90
4	A2501-DHWVB04	XH-4ADB (BH)	7.50	12.40
5	A2501-DHWVB05	XH-5ADB (BH)	10.00	14.90
6	A2501-DHWVB06	XH-6ADB (BH)	12.50	17.40
7	A2501-DHWVB07	XH-7ADB (BH)	15.00	19.90
8	A2501-DHWVB08	XH-8ADB (BH)	17.50	22.40
9	A2501-DHWVB09	XH-9ADB (BH)	20.00	24.90
10	A2501-DHWVB10	XH-10ADB (BH)	22.50	27.40
11	A2501-DHWVB11	XH-11ADB (BH)	25.00	29.90
12	A2501-DHWVB12	XH-12ADB (BH)	27.50	32.40
13	A2501-DHWVB13	XH-13ADB (BH)	30.00	34.90
14	A2501-DHWVB14	XH-14ADB (BH)	32.50	37.40
15	A2501-DHWVB15	XH-15ADB (BH)	35.00	39.90
16	A2501-DHWVB16	XH-16ADB (BH)	37.50	42.40
2	A2501-DHWVB02-K	XH-2ADB (BH) 打点	2.50	7.40
3	A2501-DHWVB03-K	XH-3ADB (BH) 打点	5.00	9.90
4	A2501-DHWVB04-K	XH-4ADB (BH) 打点	7.50	12.40
5	A2501-DHWVB05-K	XH-5ADB (BH) 打点	10.00	14.90
6	A2501-DHWVB06-K	XH-6ADB (BH) 打点	12.50	17.40
7	A2501-DHWVB07-K	XH-7ADB (BH) 打点	15.00	19.90
8	A2501-DHWVB08-K	XH-8ADB (BH) 打点	17.50	22.40
9	A2501-DHWVB09-K	XH-9ADB (BH) 打点	20.00	24.90
10	A2501-DHWVB10-K	XH-10ADB (BH) 打点	22.50	27.40
11	A2501-DHWVB11-K	XH-11ADB (BH) 打点	25.00	29.90
12	A2501-DHWVB12-K	XH-12ADB (BH) 打点	27.50	32.40
13	A2501-DHWVB13-K	XH-13ADB (BH) 打点	30.00	34.90
14	A2501-DHWVB14-K	XH-14ADB (BH) 打点	32.50	37.40
15	A2501-DHWVB15-K	XH-15ADB (BH) 打点	35.00	39.90
16	A2501-DHWVB16-K	XH-16ADB (BH) 打点	37.50	42.40

2	Wafer 针	Brass Tin 黄铜镀锡	N						
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)					
序号	图号	名称	材料	数量	附注				
未注公差		<b>LHE</b> ® 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD							
X.° ±3° X.X° ±0.5°									
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
见图解			品名	XH-NADB (BH)					

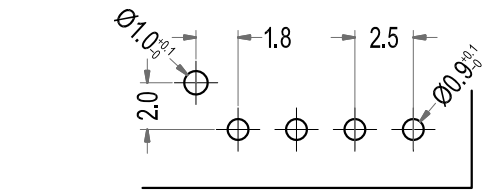
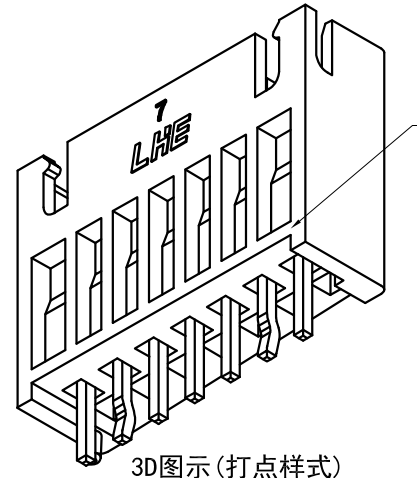
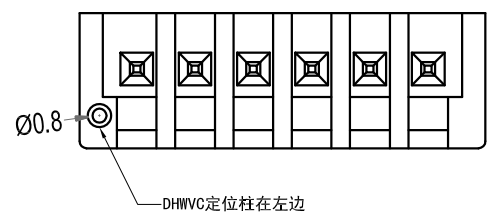
旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1		更改打点尺寸, 由原先的0.9改为0.85	YF		20220125



此处为打点样式(常规即为打点)  
2~4P打点位置在最两边  
5~16P打点位置在两边第二针



P. C. B LAYOUT

3D图示(打点样式)

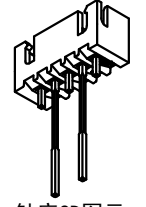
Poles	Part No.		Dimensions mm	
	A	B	A	B
2	A2501-DHWVC02	XH-2ADC (BH)	2.50	7.40
3	A2501-DHWVC03	XH-3ADC (BH)	5.00	9.90
4	A2501-DHWVC04	XH-4ADC (BH)	7.50	12.40
5	A2501-DHWVC05	XH-5ADC (BH)	10.00	14.90
6	A2501-DHWVC06	XH-6ADC (BH)	12.50	17.40
7	A2501-DHWVC07	XH-7ADC (BH)	15.00	19.90
8	A2501-DHWVC08	XH-8ADC (BH)	17.50	22.40
9	A2501-DHWVC09	XH-9ADC (BH)	20.00	24.90
10	A2501-DHWVC10	XH-10ADC (BH)	22.50	27.40
11	A2501-DHWVC11	XH-11ADC (BH)	25.00	29.90
12	A2501-DHWVC12	XH-12ADC (BH)	27.50	32.40
13	A2501-DHWVC13	XH-13ADC (BH)	30.00	34.90
14	A2501-DHWVC14	XH-14ADC (BH)	32.50	37.40
15	A2501-DHWVC15	XH-15ADC (BH)	35.00	39.90
16	A2501-DHWVC16	XH-16ADC (BH)	37.50	42.40
2	A2501-DHWVC02-K	XH-2ADC (BH) 打点	2.50	7.40
3	A2501-DHWVC03-K	XH-3ADC (BH) 打点	5.00	9.90
4	A2501-DHWVC04-K	XH-4ADC (BH) 打点	7.50	12.40
5	A2501-DHWVC05-K	XH-5ADC (BH) 打点	10.00	14.90
6	A2501-DHWVC06-K	XH-6ADC (BH) 打点	12.50	17.40
7	A2501-DHWVC07-K	XH-7ADC (BH) 打点	15.00	19.90
8	A2501-DHWVC08-K	XH-8ADC (BH) 打点	17.50	22.40
9	A2501-DHWVC09-K	XH-9ADC (BH) 打点	20.00	24.90
10	A2501-DHWVC10-K	XH-10ADC (BH) 打点	22.50	27.40
11	A2501-DHWVC11-K	XH-11ADC (BH) 打点	25.00	29.90
12	A2501-DHWVC12-K	XH-12ADC (BH) 打点	27.50	32.40
13	A2501-DHWVC13-K	XH-13ADC (BH) 打点	30.00	34.90
14	A2501-DHWVC14-K	XH-14ADC (BH) 打点	32.50	37.40
15	A2501-DHWVC15-K	XH-15ADC (BH) 打点	35.00	39.90
16	A2501-DHWVC16-K	XH-16ADC (BH) 打点	37.50	42.40

2	Wafer 针	Brass Tin 黄铜镀锡	N						
1	Housing 基座	PA66 (UL94V-0)	1	White (白色)					
序号	图号	名称	材料	数量	附注				
未注公差		<b>LHE</b> ® 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD							
X.° ±3° X.X° ±0.5°									
>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
			见图解	品名	XH-NADC (BH)				

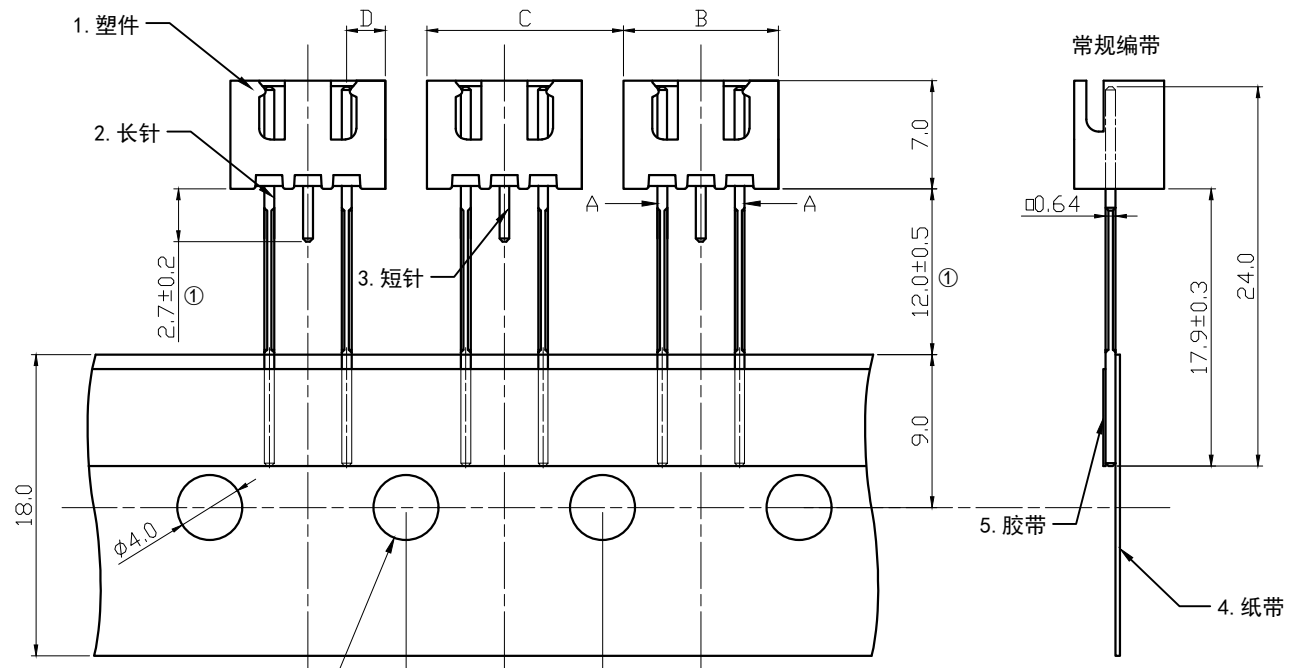
旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

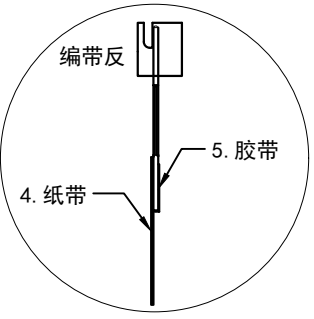
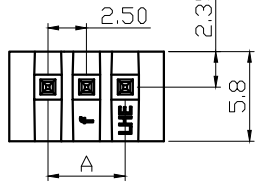
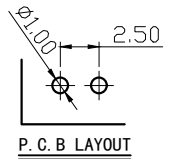
REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			A/0
A/1	①	原2.9变更为2.7, 原11.0变更为12.0			20190329



针座3D图示



2/3pin间隔一个定位孔  
5/6/7/8pin间隔两个定位孔  
4pin两种间隔都有  
(详见单独图纸)



以缺口为正面  
常规编带产品的胶带粘贴在产品正面  
编带反产品的胶带粘贴在产品背面

Poles	Part No.		Dimensions mm			
	A	B	C	D		
2	A2501-WVG02	XH-2A编带装	2.50	7.50	12.70	2.50
3	A2501-WVG03	XH-3A编带装	5.00	10.00	12.70	2.50
4	A2501-WVG04	XH-4A(1.3长针)编带装(空)	7.50	12.50	25.40	2.50
4	A2501-WVG04-B	XH-4A(1.3长针)编带装(并)	7.50	12.50	12.70	2.50
4	A2501-WVG04-C81	XH-4A(2.4长针)编带装(空)	7.50	12.50	25.40	5.00
4	A2501-WVG04-C81-B	XH-4A(2.4长针)编带装(并)	7.50	12.50	12.70	5.00
5	A2501-WVG05	XH-5A(2.4长针)编带装	10.00	15.00	25.40	5.00
6	A2501-WVG06	XH-6A(2.4长针)编带装	12.50	17.50	25.40	5.00
7	A2501-WVG07	XH-7A(3.5长针)编带装	15.00	20.00	25.40	7.50
8	A2501-WVG08	XH-8A(3.5长针)编带装	17.50	22.50	25.40	7.50
2	A2501-WVG02-F	XH-2A编带装(反)	2.50	7.50	12.70	2.50
3	A2501-WVG03-F	XH-3A编带装(反)	5.00	10.00	12.70	2.50
4	A2501-WVG04-F	XH-4A(1.3长针)编带装(空)(反)	7.50	12.50	25.40	2.50
4	A2501-WVG04-B-F	XH-4A(1.3长针)编带装(并)(反)	7.50	12.50	12.70	2.50
4	A2501-WVG04-C81-F	XH-4A(2.4长针)编带装(空)(反)	7.50	12.50	25.40	5.00
4	A2501-WVG04-C81-B-F	XH-4A(2.4长针)编带装(并)(反)	7.50	12.50	12.70	5.00
5	A2501-WVG05-F	XH-5A(2.4长针)编带装(反)	10.00	15.00	25.40	5.00
6	A2501-WVG06-F	XH-6A(2.4长针)编带装(反)	12.50	17.50	25.40	5.00
7	A2501-WVG07-F	XH-7A(3.5长针)编带装(反)	15.00	20.00	25.40	7.50
8	A2501-WVG08-F	XH-8A(3.5长针)编带装(反)	17.50	22.50	25.40	7.50

5	胶带				
4	纸带				
3	短针	黄铜镀锡	N-2		
2	长针	黄铜镀锡	2		
1	塑座	PA66 (UL94V-0)	1	白色	
序号	图号	名称	材料	数量	附注

未注公差		<b>LHE</b> 浙江联和电子有限公司			
X, ° ±3° X, X° ±0.5°		ZHEJIANG LIANHE ELECTRONICS CO., LTD			
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	MM Only	—
制作		审核	批准	材料	图号
见图解		品名		XH-NA编带装	

旧底图总号  
底图总号  
签字  
日期

26

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14

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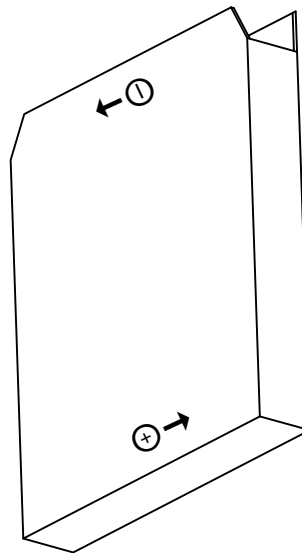
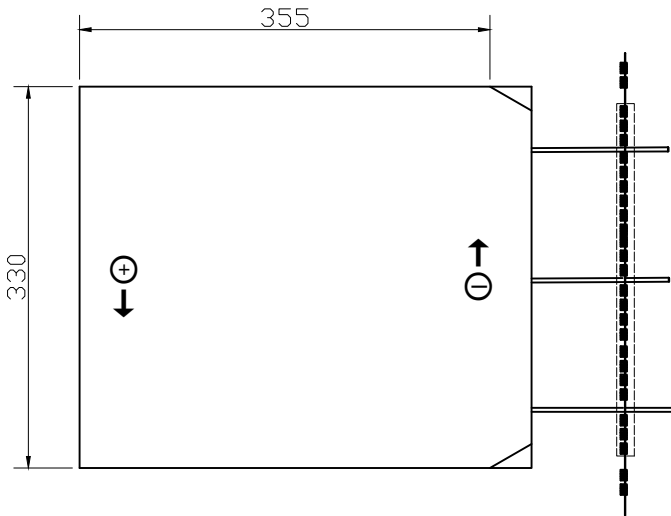
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2

1

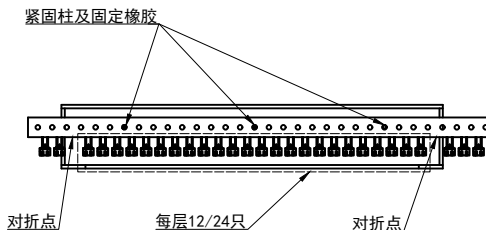
XH承认图面

REV	SYM	REVISION RECORD	DR.	APPR.	DATE
A/0		原始版本			E
A/1					



NOTES:

1. 产品的尺寸图请参照XH-NA编带图纸,
2. 此示意图为取出产品后, 以一层为例进行说明。
3. 2~3孔/4孔(并) 每层固定数量24只, 一盒标准数量1000只。4孔(空)/5~8孔每层固定数量12只, 一盒标准数量500只。
4. 胶带未在图纸中体现, 请以实物为准。
5. 此包装规范同样适用于编带装(反)的产品。



7	固定橡胶		6	
6	紧固柱		3	
5	纸盒	瓦楞纸	1	
4	胶带			
3	纸带	瓦楞纸		
2	XH-NA	插针	黄铜镀锡	见表
1	编带装	胶壳	PA66 UL94V-0	
序号	名称/料号	材料	数量	附注

未注公差

X.° ±3° X. X° ±0.5°

**LHE** 浙江联和电子有限公司  
ZHEJIANG LIANHE ELECTRONICS CO., LTD

>0~100	>100~500	>500	单位	比例	Design Units	SIZE	页码	⊕	
±2	±5	±6	MM Only	—	METRIC	A4		⊕	
制作	审核	批准	材料	图号		Part No.			
			见图解	品名	XH-NA编带装包装规范				

15

14

13

12

11

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4

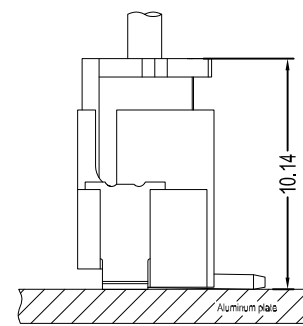
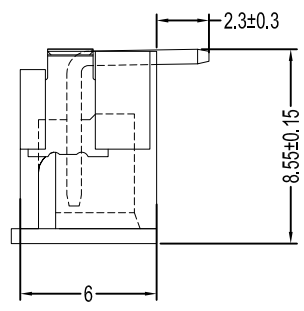
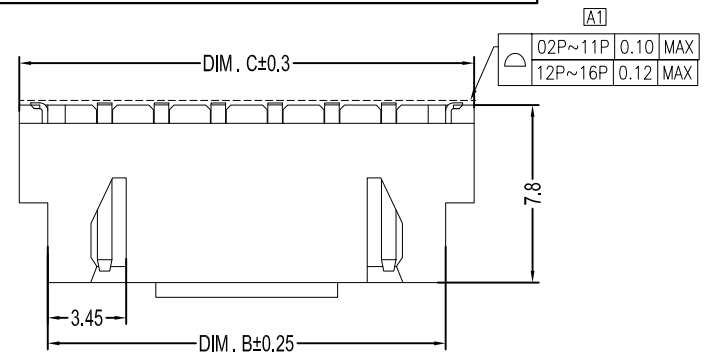
3

2

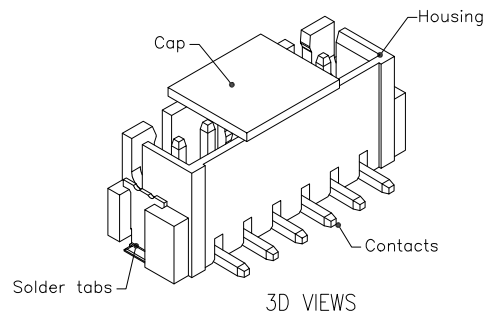
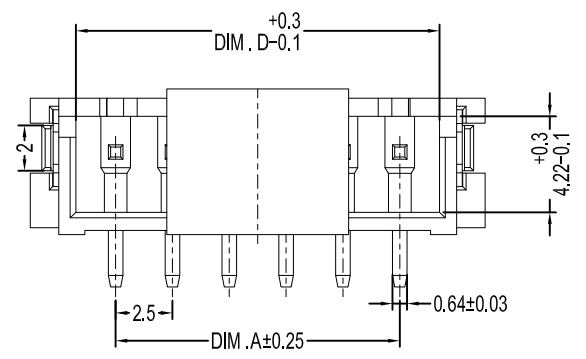
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# XH型连接器承认图面

REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	

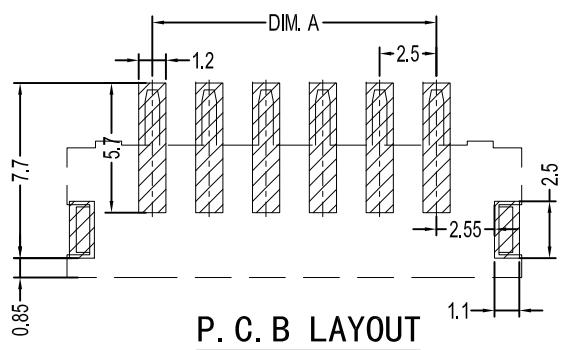


Assembly Layout



3D VIEWS

Poles	Part No.		Dimensions mm			
			A	B	C	D
2	A2501-SV02	XH-2AB	2.50	7.50	10.00	6.00
3	A2501-SV03	XH-3AB	5.00	10.00	12.50	8.50
4	A2501-SV04	XH-4AB	7.50	12.50	15.00	11.00
5	A2501-SV05	XH-5AB	10.00	15.00	17.50	13.50
6	A2501-SV06	XH-6AB	12.50	17.50	20.00	16.00
7	A2501-SV07	XH-7AB	15.00	20.00	22.50	18.50
8	A2501-SV08	XH-8AB	17.50	22.50	25.00	21.00
9	A2501-SV09	XH-9AB	20.00	25.00	27.50	23.50
10	A2501-SV10	XH-10AB	22.50	27.50	30.00	26.00
11	A2501-SV11	XH-11AB	25.00	30.00	32.50	28.50
12	A2501-SV12	XH-12AB	27.50	32.50	35.00	31.00
13	A2501-SV13	XH-13AB	30.00	35.00	37.50	33.50
14	A2501-SV14	XH-14AB	32.50	37.50	40.00	36.00
15	A2501-SV15	XH-15AB	35.00	40.00	42.50	38.50
16	A2501-SV16	XH-16AB	37.50	42.50	45.00	41.00



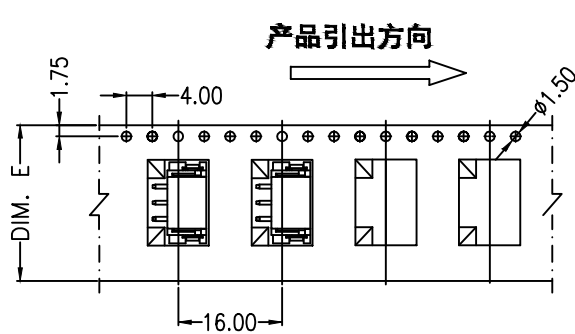
P. C. B LAYOUT

3	焊片	Phos. Brass Tin 磷青铜镀锡	2		
2	针	Brass Tin 黄铜镀锡	N		
1	Housing 底座	LCP	1		
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> 浙江联和电子有限公司 ZHEJIANG LIANHE ELECTRONICS CO., LTD			
X.° ± 3° X. X° ± 0.5°					
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	MM Only	METRIC
制作	审核	批准	材料	图号	页码
			见图解	品名	Part No.
					XH-NAB (79)

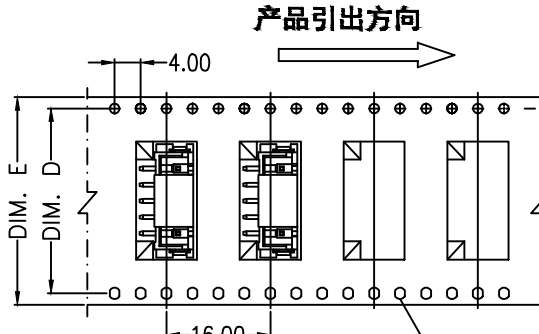
旧底图总号  
底图总号  
签字  
日期

# XH连接器承认图面

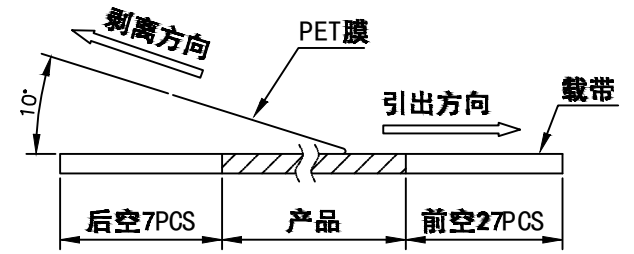
REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	



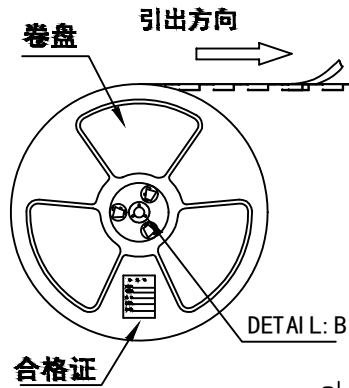
02~04 CONTACTS



05~14 CONTACTS

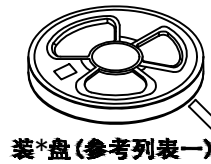


(PET膜剥离示意图)

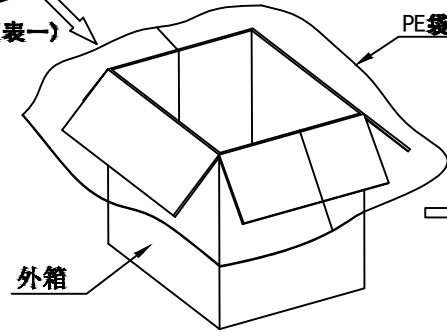


合格证

DETAIL:B



卷\*盘(参考列表一)



外箱

合格证

列表一

Circuits	DIM. D	DIM. E	Q'ty/Reel	Packing (Reel/Caton)
02-04PIN	-	24	501PCS	15/Reel
05-06PIN	28.4	32	501PCS	11/Reel
07-10PIN	40.4	44	501PCS	8/Reel
14PIN	52.4	56	501PCS	7/Reel

**包装说明:**

- 把成品包入卷盘中, 每盘装501PCS, 卷盘上贴上合格证, 将装好产品的卷盘放进外箱中, 外箱内先套一个大PE袋, 外箱上贴贴上合格证。
- 所有材料有害物控制需符合RoHS标准。

**未注公差**

X.° ±3° X. X° ±0.5°

>0-3	>3-18	>18-50	>50-120
±0.12	±0.15	±0.3	±0.5

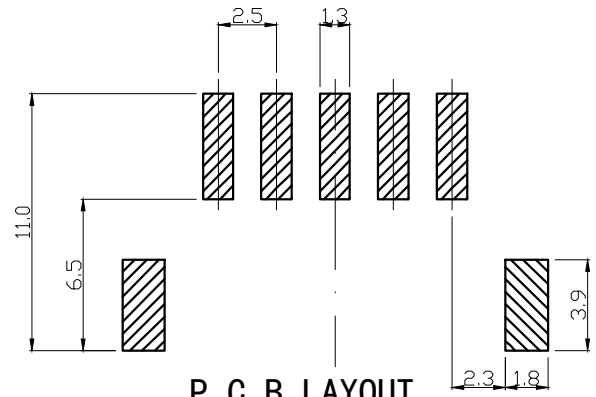
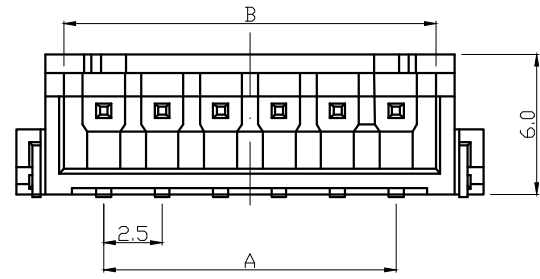
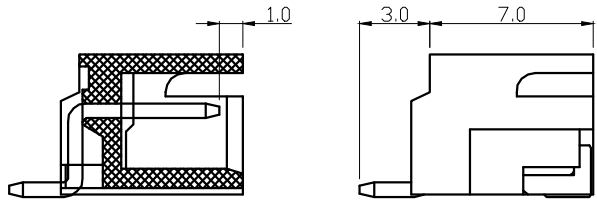
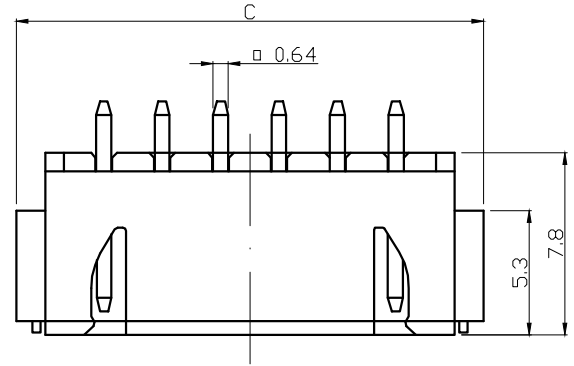
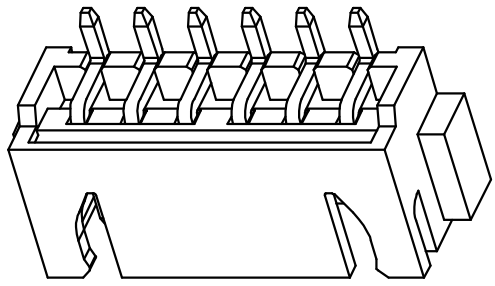
**LHE**® 浙江联和电子有限公司  
ZHEJIANG LIANHE ELECTRONICS CO., LTD

单位	比例	Design Units	SIZE	页码	
MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.
			见图解	品名	XH-NAB盘装(79)



REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	

# XH型连接器承认图面



**P. C. B LAYOUT**

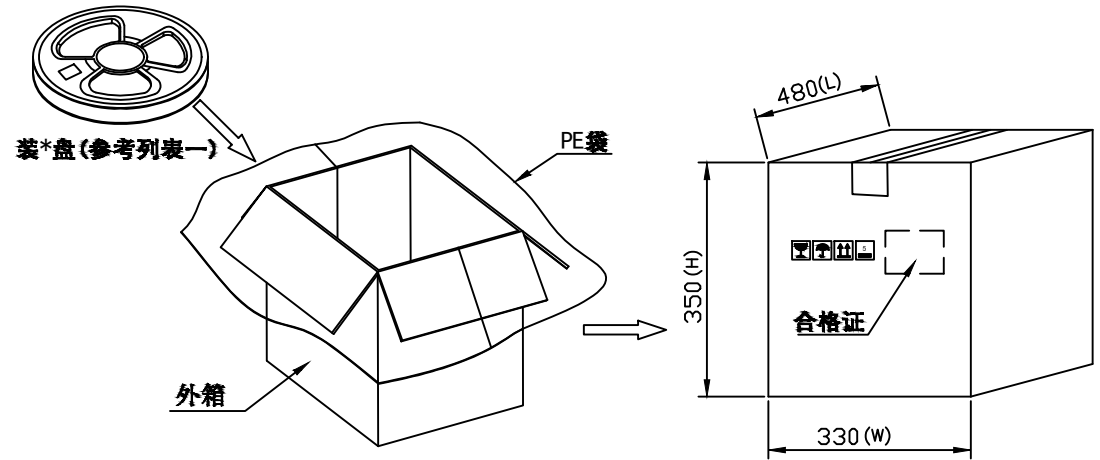
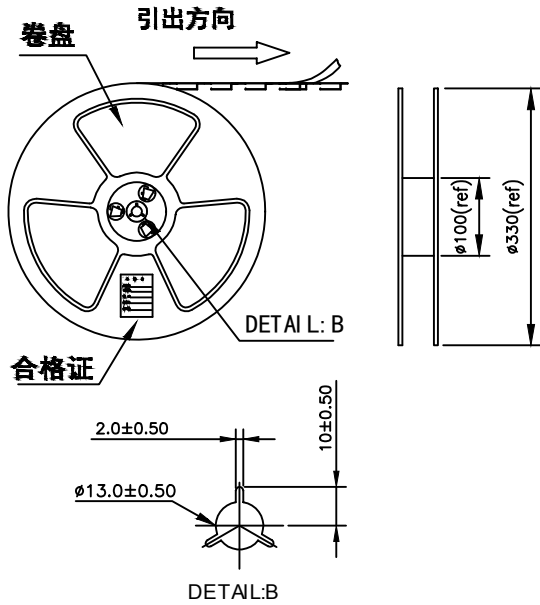
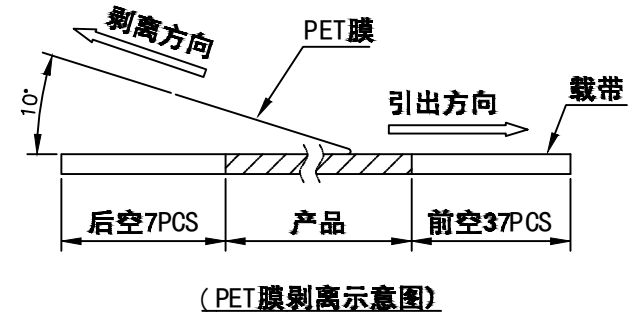
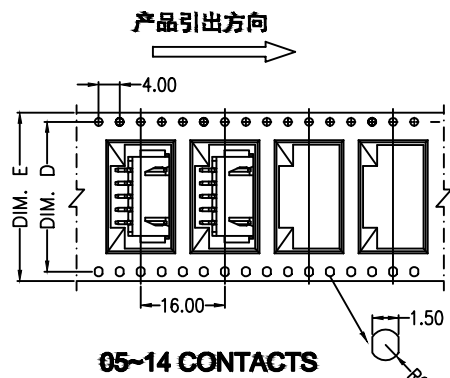
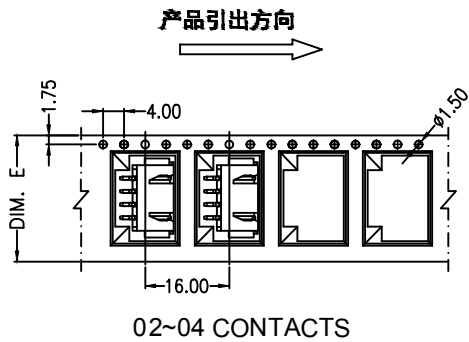
Poles	Part No.		Dimensions mm		
			A	B	C
2	A2501-SR02	XH-2AWB	2.50	5.90	10.0
3	A2501-SR03	XH-3AWB	5.00	8.40	12.5
4	A2501-SR04	XH-4AWB	7.50	10.90	15.0
5	A2501-SR05	XH-5AWB	10.00	13.40	17.5
6	A2501-SR06	XH-6AWB	12.50	15.90	20.0
7	A2501-SR07	XH-7AWB	15.00	18.40	22.5
8	A2501-SR08	XH-8AWB	17.50	20.90	25.0
9	A2501-SR09	XH-9AWB	20.00	23.40	27.5
10	A2501-SR10	XH-10AWB	22.50	25.90	30.0
11	A2501-SR11	XH-11AWB	25.00	28.40	32.5
12	A2501-SR12	XH-12AWB	27.50	30.90	35.0
13	A2501-SR13	XH-13AWB	30.00	33.40	37.5
14	A2501-SR14	XH-14AWB	32.50	35.90	40.0
15	A2501-SR15	XH-15AWB	35.00	38.40	42.5
16	A2501-SR16	XH-16AWB	37.50	40.90	45.0

3	焊片	Phos. Brass Tin 磷青铜镀锡	2		
2	针	Brass Tin 黄铜镀锡	N		
1	Housing 基座	LCP	1		
序号	图号	名称	材料	数量	附注
未注公差		<b>LHE</b> 浙江联和电子有限公司			
X.° ±3° X.X° ±0.5°		ZHEJIANG LIANHE ELECTRONICS CO., LTD			
>0-3	>3-18	>18-50	>50-120	单位	比例
±0.12	±0.15	±0.3	±0.5	Design Units	SIZE
MM Only				METRIC	A4
制作	审核	批准	材料	图号	Part No.
见图解			品名	XH-NAWB (80)	

旧底图总号
底图总号
签字
日期

# XH连接器承认图面

REV	DESCRIPTION	DATE
A/0	原始版本	E
A/1	修订版本	



列表一

Circuits	DIM. D	DIM. E	Q'ty/Reel	Packing (Reel/Caton)
02-04PIN	-	24	700PCS	15/Reel
05-06PIN	28.4	32	700PCS	11/Reel
07-10PIN	40.4	44	700PCS	8/Reel
11-14PIN	52.4	56	700PCS	

包装说明:

- 把成品包入卷盘中, 每盘装700PCS, 卷盘上贴上合格证, 将装好产品的卷盘放进外箱中, 外箱内先套一个大PE袋, 外箱上贴贴上合格证.
- 所有材料有害物控制需符合RoHS标准.

未注公差

X.° ±3° X. X° ±0.5°

**LHE**® 浙江联和电子有限公司  
ZHEJIANG LIANHE ELECTRONICS CO., LTD

>0-3	>3-18	>18-50	>50-120	单位	比例	Design Units	SIZE	页码	
±0.12	±0.15	±0.3	±0.5	MM Only	—	METRIC	A4		
制作	审核	批准	材料	图号	Part No.				
见图解				品名	XH-NAWB盘装(79)				

# 产品规格书

## PRODUCT SPECIFICATION

### 规格 Specifications

- ◆1、额定电流 Current rating: 3.0A AC, DC
- ◆2、额定电压 Voltage rating: 250V AC, DC
- ◆3、温度范围 Temperature range: -25°C to +105°C
- ◆4、接触电阻 Contact resistance: 初始(Initial)  $\leq 10\text{m}\Omega$   
环境测试后(After environmental testing)  $\leq 20\text{m}\Omega$
- ◆5、绝缘电阻 Insulation resistance:  $\geq 1000\text{M}\Omega$
- ◆6、耐电压 Withstand voltage: 1000V AC/minute
- ◆7、适用线规 Applicable wire: AWG #30 to #22
- ◆8、适用基板厚度(Applicable PC board thickness): 1.6mm

版本号

Version Number:     A    

产品编码

Part Number:     A2501    

### 产品性能测试 Performance test

	项目 Item	测试条件 Test Condition	规格要求 Requirement
1	外观 Appearance	目测 Visual by eye 视力 Light: >1.0 照明 Lamp: 200~300Lx 目测距离 Space: 0.3~0.5m	连接器表面清洁、无破损等缺陷, 印字及标志清晰。 Connector clearing surface without discolor, broken defects, indistinct words and mark is acceptable.
2	结构尺寸 Structure size	带表卡尺测量 Measurement with gauge caliper	按相应图纸文件执行 Execute According to the corresponding drawings and documents
3	互换性 Exchangeability	各产品相互进行插拔试验 Insertion and pull-out test of each product	各产品相互之间配合应良好
4	插入与拔出力 Insertion and Withdrawal Force	相配的接触件以1mm/s~5mm/s的速度沿接插器轴线方向插入和拔出。 Insertion and withdraw contacts at the speed rate of 1mm/s~5mm/s.	Single PIN 插入力 Insertion: $\leq 10\text{N}$ 拔出力 Withdrawal: $\geq 2\text{N}$
5	壳体/端子固定力 Terminal/Housing Retention Force	固定连接器或测力计, 在连接器轴线方向施加规定的拉力; 速度不大于25mm/min。 Apply axial pull out force at the speed rate of not more 25mm/min on the pin assembled in the housing.	$\geq 15\text{N}$

# 产品规格书

## PRODUCT SPECIFICATION

 版本号  
 Version Number:     A    

 产品编码  
 Part Number:     A2501    

产品性能测试 Performance test			
	项目 Item	测试条件 Test Condition	规格要求 Requirement
6	针的固定力 Pin Retention Force	固定连接器或测力计, 在连接器轴线方向对针施加规定的推力; 速度不大于25mm/min。 Apply axial push out force at the speed rate of not more 25mm/minute on the terminal assembled in the base.	≥10N
7	可焊性 Solderability	把测试样品需要焊接的部位浸入焊锡炉中(锡炉温度240℃±5℃)2±0.5秒钟。 Soldering time: 2±0.5 second Solder Temperature: 240℃±5℃	上锡率≥90% 90% of immersed area must show no voids, pin holes
8	压着部位抗张强度 Crimping Pull Out Force	在试验装置夹头中固定测试样品, 在连接的轴线方向施加张力; 速度不大于25mm/min。 Fix the crimped terminal, apply axial pull out force on the wire at the speed rate of not more 25mm/min.	AWG #22: ≥30N AWG #24: ≥20N AWG #26: ≥15N AWG #28: ≥10N AWG #30: ≥8N
9	接触电阻 Contact Resistance	插合连接器, 用小功率电路进行测试。 Mate connectors, measure by dry circuit.	1. 初始 (Initial) ≤10mΩ 2. 环境测试后 (After testing) ≤20mΩ
10	绝缘电阻 Insulation Resistance	在相邻接触件之间或地线之间, 用500V DC电压进行测试。 Apply 500V DC between adjacent terminal or ground.	≥1000MΩ
11	耐电压 Dielectric Strength	相邻接触件之间或地线之间施加50Hz 1000V AC(有效值), 漏电流1mA的电压作用, 时间1分钟。 Mate connectors, apply 1000V AC for 1 minute between adjacent terminal or ground.	无击穿和飞弧现象 No Breakdown
12	机械寿命 Repeated insertion/withdrawal	以每分钟插拔10次的速率, 插拔50次。 When mated up to 50 cycles repeatedly by the rate of 10 cycles per minute.	1. 接触电阻 Contact Resistance: ≤20mΩ 2. 拔出力 Withdrawal force: ≥0.5N
13	温度循环 Temperature cycle	把测试样品放入高低温试验箱中, 按下列步骤调试温度: a) 在-25℃±2℃的恒温条件下放置0.5小时; b) 在105℃±2℃的恒温条件下放置0.5小时; 从a)到b)为一个循环周期, 共进行5个循环。 恢复2h后检查。状态转换时间不多于0.5小时。 Mated connectors are exposed to 5 cycles of: a) -25℃±2℃ 0.5hour b) +105℃±2℃ 0.5hour	1. 外观 Appearance: 无损伤 No Damage 2. 接触电阻 LLCR: ≤20mΩ

# 产品规格书

PRODUCT SPECIFICATION

 版本号  
 Version Number:     A    

 产品编码  
 Part Number:     A2501    

产品性能测试 Performance test			
	项目 Item	测试条件 Test Condition	规格要求 Requirement
14	恒定湿热 Humidity	温度: 40±2℃ 相对湿度: 90%~95% 搁置时间: 96小时, 取出恢复2h后检查 Temperature: 40±2℃ Relative Humidity: 90%~95% Duration: 96 hours	1. 接触电阻 LLCR: ≤20mΩ 2. 绝缘电阻 Insulation Resistance: ≥1000MΩ 3. 耐电压 Dielectric Strength: ≥1000V
15	耐高温 Heat Resistance	连接器配合后, 于105℃±2℃的空气中放置96小时, 然后再回到室温中放置1~2h小时测定 Mated connectors are exposed to a temperature of 105℃±2℃ for 96 hours.	外观 Appearance: 无损伤 No Damage
16	耐低温 Cold Resistance	连接器配合后, 于-25℃±2℃的空气中放置96小时, 然后再回到室温中放置1~2h小时测定 Mated connectors are exposed to a temperature of -25℃±2℃ for 96 hours.	外观 Appearance: 无损伤 No Damage
17	机械振动 Vibration	插入连接器, 串联在一直流电源上, 电流100mA; 并模拟正常工作状态, 振频为10~55Hz、振幅1.5mm; 55~500Hz、加速度50m/s <sup>2</sup> , 每一轴线扫频循环次数10次、2小时。 Frequency: 10~55Hz Amplitude: ±1.5mm Frequency: >55~500Hz Acceleration: 50m/s <sup>2</sup> Duration: 2 hours in each X,Y,Z axes	1. 中断 Intermittence: ≤1 μ second 2. 接触电阻 LLCR: ≤20mΩ
18	盐雾 Salt Spray	把先冲后镀的测试样品从试验箱顶悬挂下来, 采用浓度为5%±1(质量百分比)的氯化钠溶液, 连续雾化16小时, 试验后用流动的蒸馏水轻轻洗去表面沉积物。在常温常驻湿条件下恢复1~2小时。 16 hour exposure to a saltspray from the 5%±1 solution.	1. 外观无损伤(五金件应无露出底金属的严重锈蚀) Appearance: No Damage (No erosion with material exposed.) 2. 接触电阻 LLCR: ≤20mΩ

# 产品规格书

PRODUCT SPECIFICATION

 版本号  
 Version Number:     A    

 产品编码  
 Part Number:     A2501    

产品性能测试 Performance test			
	项目 Item	测试条件 Test Condition	规格要求 Requirement
19	耐焊接热 Resistance to Soldering Heat	把测试样品需要焊接的部位浸入焊锡炉中(锡炉温度260℃); 2±0.5秒钟后在正常的条件下恢复1小时。 Soldering time: 2±0.5 second Solder Temperature: 260℃	外观 Appearance: 无损伤 No Damage
20	温度上升 Temperature Rise	插合连接器, 通以最大允许电流。 Carrying rated current load.	温度最大上升 Temperature Rise: ≤30℃
21	灼热丝 Glow Wire (适用于灼热丝材料 Applicable to glow wire materials)	实验根据GB/T 5169.12-2006及GB/T 5169.13-2013执行。并按以下指标测试 灼热丝起燃指数(GWIT): 750℃ 灼热丝燃烧指数(GWFI): 850℃	灼热丝750度, 施加30秒内没有起燃; 灼热丝850度, 施加30秒内起燃; 离开灼热丝后两秒内熄灭。

注: 除非另有规定, 所有试验和测量都应在标准实验大气条件下进行:

温 度: 15~35℃

相对湿度: 45%~75%RH

气 压: 86~106kpa (860~1060mbar)

未特殊说明处, 试验输入电流、输出电压等均为50/60Hz交流信号

序号	变更记录	变更原因	变更时间	责任人
1	高低温环境测试从85℃, 更新到105℃	根据客户要求, 进行统一的测试升级	20220916	玉夫
变更记录				

 制订 Edit: \_\_\_\_\_ 审核 Check: WZY 批准 Approval: CZH 日期 Date: 19/07/01

# 焊接条件

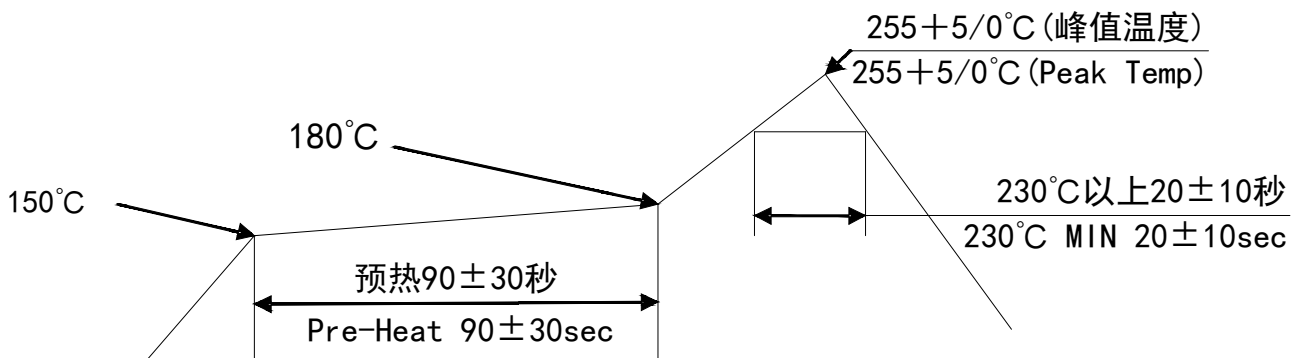
Conditions for soldering

版本号  
Version Number:   A  

产品编码  
Part Number:   A2501  

## Pb-free炉温要求 Pb-free reflow profile requirements

参数 Parameter	参考 Reference	规格 Specification
平均温度梯度预热 Average Temperature Gradient Preheating		2.5°C/s
浸泡时间 Soak time	tsoak 2-3	minutes
150°C以上时间 Time above 150°C	T1	60s
180°C以上时间 Time above 180°C	T2	50s
250°C以上时间 Time above 250°C	T3	2±0.5s
焊接温度 Peak temperature in reflow	Tpeak	255°C (-0/+5°C)
温度梯度的冷却 Temperature gradient in cooling		Max -5°C/s



温度条件图

### TEMPERATURE CONDITION GRAPH

注：该剖面的最低要求耐热性的评价焊接部件。传热方法用于回流焊热空气对流。实际的空气温度用来实现规定的轮廓，很大程度上取决于回流装置。

Note: The minimum required heat resistance of the section is to evaluate the welded components. Heat transfer method is used for hot air convection in reflow welding. The actual air temperature used to achieve the specified profile depends largely on the reflux device.



## 浙江联和电子有限公司

## 产品性能测试报告

品名 (DESCRIPTION)	XH	测定者 (Inspector)	吴程原	测定条件 (Test Condition)	温度: 22℃ (Temperature)
料号 (MODEL NO.)	A2501	日期 (Date)	2022.03.27		湿度: 65% (Humidity)

试验项目 (Test Title)	规格 (Specification)		测定值(Data)					COM
			X1	X2	X3	X4	X5	
带线胶壳与针座插拔力 <带锁扣> (Connector assemble with cable and wafer mating and unmating force with latch)	2 pin Unit: N Mating force 25 max. Unmating force 7 min.	插入(Mating)	18.5	17.0	17.5	19.0	19.5	ok
		拔出(Unmating)	13.5	14.5	16.5	15.5	15.0	ok
	8 pin Unit: N Mating force 85 max. Unmating force 19 min.	插入(Mating)	67.5	68	64.5	66	68.5	ok
		拔出(Unmating)	24	26	22.5	23	24.5	ok
端子和插针单独插入力 (Single terminal and PIN withdrawal force)	10N Max		7.5	7.0	6.0	6.5	7.5	ok
端子和插针单独拔出力 (Single terminal and PIN withdrawal force)	2N Min		3.75	3.5	3.25	4.0	3.0	ok
端子和胶壳的固定力 (Terminal Retention in housing)	15N Min		32	35	30	31	34	ok
插针和壳体的固定力 (PIN Retention in insulator)	20N Min		25	27	22	23	25	ok
盐雾试验 (Salt spray)	雾化16小时, 后镀端子不能有腐蚀现象 (Spray time:16 hours, terminals stamping then plating must not corrode)		PASS	PASS	PASS	PASS	PASS	ok
	接触电阻 (Contact Resistance)	20mΩ Max	11.7	13.2	12.4	12.9	11.5	ok
盐雾试验 (Salt spray)	雾化24小时, 插针不能有腐蚀现象 (Spray time:24 hours, PINs must not corrode)		PASS	PASS	PASS	PASS	PASS	ok
	接触电阻 (Contact Resistance)	20mΩ Max	12.1	10.5	11.8	11.9	13.5	ok
温度循环 (Temperature cycling)	外观 (Appearanc)	无损伤 (No damage)	PASS	PASS	PASS	PASS	PASS	ok
	接触电阻 (Contact Resistance)	20mΩ Max	12.8	11.9	13.4	13.9	12.4	ok
	绝缘电阻 (Insulation Resistance)	1000MΩ Min	PASS	PASS	PASS	PASS	PASS	ok
	耐电压 (Dielectric Withstanding Voltage)	1000V,AC/minute	PASS	PASS	PASS	PASS	PASS	ok




# LHE 浙江联和电子有限公司

## 试 验 报 告

试验项目:针焰实验

试验日期: 2018/11/17

产品或零件名称	PA66 94V0 样条	生产单位	注塑
样品数量	各 3PCS	检验标准	GB/T5169.5-2008
检验设备	针焰试验箱	进货批号	/
标准要求	指 标	a. 试验样品无火焰和灼热, 并且规定的铺底层或包装绢纸没有起燃 b. 在移开针焰后, 试验样品和周围的零部件的火焰或灼热在 30s 之内熄灭, 即 $t_b < 30s$ , 而且周围的零部件没有完全烧毁, 以及规定的铺底层或包装绢纸没有起燃	
	试 验 条 件	施加试验火焰持续时间为 12s。火焰高度 12mm ± 1mm。	
试验结果	 <p>产品施焰时间 12s, 续燃时间 2.6s。无滴落物。</p>		
判定	<p style="text-align: center;">符合要求</p> <p>实验员: 唐安英</p> <p style="text-align: right;">审核员: 熊英</p>		

表单编号: QR/LHE-PZ-019

版本: B/0

# 浙江联和电子有限公司

## 灼热丝 (GWIT/GWFI) 测试报告

序号	材料规格	试片尺寸 (长×宽×厚)	起始温度 (°C)	样品	起燃时间 (Ti)	熄灭时间 (Te)	现象记录	GWIT	GWFI
		单位: mm			单位: 秒			判定: PASS或FAIL	
1	A66V0 002	60X60X2.5	750	第1个	不起燃	/	不起燃, 无滴落	PASS (GWIT:775/2.5)	PASS (GWFI:750/2.5)
				第2个	不起燃	/	不起燃, 无滴落		
				第3个	不起燃	/	不起燃, 无滴落		
2	A66V0 002	60X60X2.5	775	第1个	不起燃	/	不起燃, 无滴落	FAIL	PASS (GWFI:775/2.5)
				第2个	不起燃	/	不起燃, 无滴落		
				第3个	8	26	接触后很快就起燃, 熔融但无滴落, 起燃后26S熄灭		
3	A66V0 002	60X60X2.5	800	第1个	6	32	接触后很快就起燃, 熔融但无滴落, 起燃后32S熄灭	FAIL	PASS (GWFI:800/2.5)
				第2个	5	31	接触后很快就起燃, 熔融但无滴落, 起燃后28S熄灭		
				第3个	6	33	接触后很快就起燃, 熔融但无滴落, 起燃后33S熄灭		

- 测试须知:
- 灼热丝起燃温度 (GWIT) 记录值为起始温度加25K (对于900°C和930°C则是30K, 960°C记为GWIT:>960/厚度);
  - 产品在移开灼热丝之后持续燃烧的时间≤30s, 即 $T_e \leq T_a$  (施加时间)+30S, 并且包装娟纸没有起燃, 则灼热丝可燃性指数 (GWFI) 即为PASS, 记录为 GWFI:温度/厚度;
  - 本实验灼热丝 $T_a$  (施加时间) 为30S, 则 $T_e \leq 60S$
  - 如果3个其中有1个不合格则最终结果为不合格;
  - 本实验根据GB/T 5169.12-2006及GB/T 5169.13-2013执行。

检测: 吴智原

确认: 陈浙海



日期: 2018-10-11

# ECBT2.E364711 - Connectors for Use in Data, Signal, Control and Power Applications - Component

## Connectors for Use in Data, Signal, Control and Power Applications - Component

See General Information for Connectors for Use in Data, Signal, Control and Power Applications - Component

### ZHEJIANG LIANHE ELECTRONIC CO LTD

E364711

Chuangxin Road, YueQing Bay Port Zone

Yueqing, Zhejiang 325600 CHINA

**Connector**, Model(s) 1.58-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW., 1.58-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 1.58-LHE followed by 2, followed by 1 thru 12, followed by A(T).

**Connector**, Model(s) 1.58-LHE, f/b 2 thru 6 , f/b A(T), 1.58-LHE, f/b 2 thru 6, f/b Y(T), 1.58-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 2510-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 2510-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 2510-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 2510-LHE, f/b 2 thru 6 , f/b A(T), 2510-LHE, f/b 2 thru 6, f/b Y(T), 2510-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5.08-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5.08-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5.08-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 5.08-LHE, f/b 2 thru 6 , f/b A(T), 5.08-LHE, f/b 2 thru 6, f/b Y(T), 5.08-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 51005-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 51005-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 51005-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 51005-LHE, f/b 2 thru 6 , f/b A(T), 51005-LHE, f/b 2 thru 6, f/b Y(T), 51005-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 51006-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 51006-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 51006-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 51006-LHE, f/b 2 thru 6 , f/b A(T), 51006-LHE, f/b 2 thru 6, f/b Y(T), 51006-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5102-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5102-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5102-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 5102-LHE, f/b 2 thru 6 , f/b A(T), 5102-LHE, f/b 2 thru 6, f/b Y(T), 5102-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5240-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5240-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5240-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 5240-LHE, f/b 2 thru 6 , f/b A(T), 5240-LHE, f/b 2 thru 6, f/b Y(T), 5240-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5500-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5500-LHE f/b 2 thru 6, f/b A2 or AW

**Connector**, Model(s) 5500-LHE followed by 2, followed by 1 thru 12, followed by A(T)

**Connector**, Model(s) 5500-LHE, f/b 2 thru 6 , f/b A(T), 5500-LHE, f/b 2 thru 6, f/b Y(T), 5500-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5557 followed by 2 thru 6, followed by A(T), 5557 followed by 2 thru 6, followed by A2 or AW, 5557 followed by 2 thru 6, followed by Y(T)

**Connector**, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by A(T).

- Connector**, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by A2 or AW
- Connector**, Model(s) 5557 followed by 2, followed by 1 thru 12, followed by Y(T)
- Connector**, Model(s) 5559-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5559-LHE f/b 2 thru 6, f/b A2 or AW
- Connector**, Model(s) 5559-LHE followed by 2, followed by 1 thru 12, followed by A(T).
- Connector**, Model(s) 5559-LHE, f/b 2 thru 6 , f/b A(T), 5559-LHE, f/b 2 thru 6, f/b Y(T), 5559-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5566-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5566-LHE f/b 2 thru 6, f/b A2 or AW
- Connector**, Model(s) 5566-LHE followed by 2, followed by 1 thru 12, followed by A(T)
- Connector**, Model(s) 5566-LHE, f/b 2 thru 6 , f/b A(T), 5566-LHE, f/b 2 thru 6, f/b Y(T), 5566-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5569-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5569-LHE f/b 2 thru 6, f/b A2 or AW
- Connector**, Model(s) 5569-LHE followed by 2, followed by 1 thru 12, followed by A(T)
- Connector**, Model(s) 5569-LHE, f/b 2 thru 6 , f/b A(T), 5569-LHE, f/b 2 thru 6, f/b Y(T), 5569-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 5600-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 5600-LHE f/b 2 thru 6, f/b A2 or AW
- Connector**, Model(s) 5600-LHE followed by 2, followed by 1 thru 12, followed by A(T)
- Connector**, Model(s) 5600-LHE, f/b 2 thru 6 , f/b A(T), 5600-LHE, f/b 2 thru 6, f/b Y(T), 5600-LHE, f/b 2, f/b 1 thru 12 , f/b Y(T), 63080-LHE f/b 2 , f/b 1 thru 12, f/b A2 or AW, 63080-LHE f/b 2 thru 6, f/b A2 or AW
- Connector**, Model(s) 63080-LHE followed by 2, followed by 1 thru 12, followed by A(T)
- Connector**, Model(s) 63080-LHE, f/b 2 thru 6 , f/b A(T), 63080-LHE, f/b 2 thru 6, f/b Y(T), 63080-LHE, f/b 2, f/b 1 thru 12 , f/b Y (T), B2502 followed by 2 thru 16, followed by Y(T), BH3.5-2A(T), BH3.5-2Y(T), MX3.0 followed by 2 thru 12, followed by A(T), MX3.0 followed by 2 thru 12, followed by A2 or AW, MX3.0 followed by 2 thru 12, followed by Y(T)
- Connector**, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by A(T).
- Connector**, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by A2 or AW
- Connector**, Model(s) MX3.0 followed by 2, followed by 1 thru 12, followed by Y(T)
- Connector**, Model(s) PA-LHE f/b 2, f/b 1 thru 12, f/b Y(T), PA-LHE followed by 2 thru 12, followed by A(T)
- Connector**, Model(s) PA-LHE followed by 2 thru 12, followed by A2 or AW
- Connector**, Model(s) PA-LHE followed by 2 thru 12, followed by Y(T)
- Connector**, Model(s) PA-LHE followed by 2, followed by 1 thru 12, followed by A(T)
- Connector**, Model(s) PA-LHE followed by 2, followed by 1 thru 12, followed by A2 or AW
- Connector**, Model(s) PH, PHB, XHB, JC25, SCN followed by -2 thru -20, followed by Y(T), A, AW or AWD
- Connector**, Model(s) PHB followed by 2 thru 16, followed by Y(T). followed by 2 thru 16, followed by AWD, A, AW
- Connector**, Model(s) Series 1.25, 1254, 1255 followed by -2 thru -25, followed by Y(T), A or AW
- Connector**, Model(s) Series 5264 followed by -2 thru -16, followed by Y(T), A or AWD
- Connector**, Model(s) SM followed by -2 thru -18, followed by Y(T) or A(T)
- Connector**, Model(s) VH, 3.96 followed by -2 thru -16, followed by Y(T), A, AW or AWG
- Connector**, Model(s) XA-LHE f/b 2, f/b 1 thru 12, f/b Y(T), XA-LHE followed by 2 thru 12, followed by A(T)
- Connector**, Model(s) XA-LHE followed by 2 thru 12, followed by A2 or AW
- Connector**, Model(s) XA-LHE followed by 2 thru 12, followed by Y(T)
- Connector**, Model(s) XA-LHE followed by 2, followed by 1 thru 12, followed by A(T)
- Connector**, Model(s) XA-LHE followed by 2, followed by 1 thru 12, followed by A2 or AW
- Connector**, Model(s) XH followed by -2 thru -20, followed by Y(T), A, AW, AWGD, AWD or AWGDJ
- Connector**, Model(s) ZH followed by 2 thru 16, followed by AWD or A, ZH followed by 2 thru 16, followed by Y(T).

Model(s) 1.25, followed by -2 thru -16, followed by AB or AWB

Model(s) 51146 or FI-S, followed by -2 thru -16, followed by AB or AWB

Model(s) A5001, followed by -2 thru -7, followed by Y, Y(T), AD or AWD

Model(s) B2501-LHE, A2004-LHE, A4203-LHE, PHR-LHE, PHD-LHE, CH2.5-LHE, DF11-LHE, PHSD-LHE, A5001-LHE, 35155-LHE, 35156-LHE, 5195-LHE, 5196-LHE, followed by 2 thru 16, followed by Y(T)

Model(s) BHS-LHE, SMH250-LHE, SMH200-LHE, L6.2-LHE, 1806-LHE, 2060-LHE, 2541-LHE, JC15-LHE, XHD-LHE, followed by -2, followed by A(T), or Y(T)

Model(s) JWPF-LHE, B2541-LHE, NV-LHE, DV-LHE, SGN-LHE, SJN-LHE, SDN-LHE, SIN-LHE, 35150-LHE, 35151-LHE, 35180-LHE, 35182-LHE, 35524-LHE, 35965-LHE, RCY-LHE, LC-LHE, VR-LHE, SHJ-LHE, SHL-LHE, DF19-LHE, ACH-LHE, DF13-LHE, IL-Z-LHE, 51146-LHE, SATA-LHE, XSR-LHE, SUR-LHE, SUH-LHE, ZE-LHE, ZND-LHE, ZPD-LHE, A1502-LHE, SFH-LHE, 51004-LHE, PUD-LHE, A20010-LHE, 35507-LHE, DF3-LHE, PND-LHE, RE-LHE, RA-LHE, RF-LHE or A3963, followed by -2 thru -15, followed by Y(T), YB(T) or YC(T), A, A-K, AW, AW-K, AD, AD-K, AWGD, AWGD-K, AQ, AQ-K, AWQ, AWQ-K, AD(BH) or AD(BH)-K.

Model(s) PH, followed by -2 thru -16, followed by AB or AWB

Model(s) PHB, SZN-LHE, SAN-LHE, JC20-LHE, EH-LHE, EI-LHE, EL-LHE, S-EL-LHE, followed by 2 thru 16, followed by AWD, A, AW

Model(s) PHB, SZN-LHE, SAN-LHE, JC20-LHE, EH-LHE, EI-LHE, EL-LHE, S-EL-LHE, followed by 2 thru 16, followed by Y(T)

Model(s) PHB, XH, XHB or XHBD, followed by -2 thru -16, followed by AB or AWB.

Model(s) RAST 5-LHE TAB HEADER ASSY , TH, Vertical, Cat. Nos. 1969738-LHE, 1969740-LHE, 1971845-LHE, 1971846-LHE, 1971895-LHE, 1971896-LHE, 1971946-LHE thru 1971949-LHE, 1971954-LHE thru 1971957-LHE, 2232008-LHE thru 2232011-LHE, 2232000-LHE thru 2232003-LHE, 2232016-LHE thru 2232019-LHE, 1971962-LHE thru 1971965-LHE, 2232024-LHE thru 2232027-LHE, 2232289-LHE thru 2232292-LHE, 2232043-LHE thru 2232074-LHE, 2232298-LHE thru 2232301-LHE, 2232511-LHE, 2232532-LHE, 2232557-LHE, 2232559-LHE, 2232560-LHE, 2232562-LHE, 2232563-LHE, 2232565-LHE, 2232566-LHE, 2232568-LHE, 2232569-LHE, 2232571-LHE, 2232572-LHE, 2232574-LHE, 2232575-LHE, 2232577-LHE, 2232578-LHE, 2232580-LHE, 2232581-LHE, 2232583-LHE, 2232584-LHE, 2232586-LHE, 2232587-LHE, 2232589-LHE, 2232590-LHE, 2232592-LHE, 2232593-LHE, 2232595-LHE, 2232596-LHE, 2232598-LHE, 2232599-LHE, 2232601-LHE, 2232602-LHE, 2232604-LHE, 2232605-LHE, 2232607-LHE, 2232608-LHE, 2232611-LHE thru 2232682-LHE, 2292457-LHE, 2292458-LHE, may incorporate prefix and/or suffix number.), followed by -2 thru -7, followed by Y, Y(T), AD or AWD.

Model(s) SY, followed by -2, followed by Y, Y(T), A or A(T)

Model(s) SYP, SYR, BH4.0-LHE, A10001-LHE, A7501-LHE, A8001-LHE, C2541-LHE, C2542-LHE, D250R-LHE, D280K-LHE, D300R-LHE, D350R-LHE, D400B-LHE, D430R-LHE, D470G-LHE, D480J-LHE, D480K-LHE, D480N-LHE, D480Q-LHE, D520H-LHE, D520K-LHE, D520Q-LHE, D620G-LHE, D630J-LHE, D630N-LHE, D630Q-LHE, D700G-LHE, F001-LHE, F002-LHE, HIF3-LHE, MC100-LHE, MC100-LHE, ME020-LHE, ME010-LHE, F2541-LHE, D2301-LHE, 1719057-LHE, 1719059-1-LHE, P0011-LHE, P0012-LHE, P0013-LHE, C6001-LHE, D2201-LHE, D2202-LHE or P0001-LHE, followed by -2, followed by Y, Y(T), A or A(T).

Model(s) VL-LHE , YL-LHE, SL-LHE, FL-LHE, YHD200-LHE, HA-LHE, LGC-LHE, JR-LHE, SP-LHE, 5025-LHE, followed by 2, followed by 1 thru 12, followed by A(T), Y(T), A2 or AW



Model(s) VL-LHE, YL-LHE, SL-LHE, FL-LHE, YHD200-LHE, HA-LHE, LGC-LHE, JR-LHE, SP-LHE, 5025-LHE, followed by 2 thru 12, followed by A(T), Y(T), A2 or AW

Model(s) XHD, XHE or XHQ, followed by -2 thru -15, followed by Y(T), YB(T) or YC(T), A, A-K, AW, AW-K, AD, AD-K, AWGD, AWGD-K, AQ, AQ-K, AWQ, AWQ-K, AD(BH) or AD(BH)-K.

Model(s) ZH, followed by -2 thru -16, followed by AB or AWB

Model(s) ZHR-LHE, SH-LHE, GH-LHE, NH-LHE, C1251-LHE, DF14-LHE, 5501-LHE, 75416-LHE, 543-LHE, followed by 2 thru 16, followed by AWD or A

Model(s) ZHR-LHE, SH-LHE, GH-LHE, NH-LHE, C1251-LHE, DF14-LHE, 5501-LHE, 75416-LHE, 543-LHE, followed by 2 thru 16, followed by Y(T)

Marking: Company name or trademark  , model designation and the Recognized Component Mark,  on the device or carton.

Last Updated on 2020-02-20

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# 产品认证证书

证书编号: CQC17134174484

## 申请人名称及地址

浙江联和电子有限公司  
浙江省乐清市乐清湾港区乐商创业园

## 制造商名称及地址

浙江联和电子有限公司  
浙江省乐清市乐清湾港区乐商创业园

## 生产企业名称及地址

浙江联和电子有限公司 (V028069)  
浙江省乐清市乐清湾港区创新路 8 号

## 产品名称和系列、规格、型号

连接器聚酰胺 66 (PA66)

型号见附件, 材料名称: 聚酰胺 (PA66), 材料牌号: A3RV0, 全色, 球压: 200°C, 灼热丝可燃性指数 (GWFI): 960/0.3, 灼热丝起燃温度 (GWIT): 960/0.3, 燃烧等级: V-0@0.3mm, CTI600, 红外光谱, 差示扫描量热和热重分析见报告 00601-2019134003025

## 产品标准和技术要求

GB/T 5169.21-2017, GB/T 5169.12-2013, GB/T 5169.13-2013, GB/T 5169.16-2017, GB/T 4207-2012, GB/T 6040-2002, GB/T 19466.1-2004, GB/T 19466.2-2004, GB/T 19466.3-2004, ISO 11358-1:2014

## 认证模式

产品检测+获证后监督

上述产品符合 CQC13-036047-2009 认证规则的要求, 特发此证。

发证日期: 2019 年 09 月 29 日

本证书的有效性依据发证机构的定期监督获得保持。

本证书为变更证书, 证书首次颁发日期: 2017 年 07 月 27 日

主任: \_\_\_\_\_

陆杨



## 中国质量认证中心

中国·北京·南四环西路 188 号 9 区 100070

<http://www.cqc.com.cn>









# QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00117Q310977R2S/3302

We hereby certify that

**Zhejiang LianHe Electronics Co., Ltd.**

Unified Social Credit Code/ Organization Code certificate: 913303825540033504

Registration Address: Houyu Village, Shifan Town, Yueqing City, Wenzhou City, Zhejiang Province, China

Production Address: Yueshang Pioneer Park, Yueqing Bay Port Area, Yueqing City, Wenzhou City, Zhejiang Province China

by reason of its  
**Quality Management System**  
has been awarded this certificate for compliance with the standard  
**GB/T 19001-2016 / ISO 9001:2015**

The Quality Management System Applies in the following area:

The Design, Production of Electronics Connector

**Certified since: February 13, 2012    Valid from: December 11, 2017    Valid until: December 14, 2020**

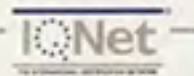
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中国认可  
国际互认  
管理体系  
MANAGEMENT SYSTEM  
CNAS C001-M

*王克强*  
Signed by: Wang Keqiang



**CHINA QUALITY CERTIFICATION CENTRE**

Section 9, No.188, Nansihuan(the South Fourth Ring Road) Xilu(West Road), Beijing 100070,China  
<http://www.cqc.com.cn>





THE INTERNATIONAL CERTIFICATION NETWORK

# CERTIFICATE

IQNet and  
CQC

hereby certify that the organization

**Zhejiang LianHe Electronics Co., Ltd.**

Registration Address: Houyu Village, Shifan Town, Yueqing City, Wenzhou City, Zhejiang Province, China  
Production Address: Yueshang Pioneer Park, Yueqing Bay Port Area, Yueqing City, Wenzhou City, Zhejiang Province China

For the following field of activities

The Design, Production of Electronics Connector

Has implemented and maintains a  
Management System

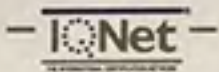
Which fulfils the requirements of the following standard

GB/T 19001-2016 / ISO 9001:2015

Issued on: December 11, 2017

Validity date: December 14, 2020

Registration Number: 00117Q310977R2S/3302



Michael Drechsel  
President of IQNet

Wang Kejiao  
President of CQC



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## 检测报告

编号: NGBEC2200627404

日期: 2022年04月20日

第1页,共11页

客户名称: 浙江联和电子有限公司  
 客户地址: 浙江省乐清市乐清湾港区乐商创业园

样品名称: PA66 连接器  
 型号: XHD-5A  
 客户参考信息: 见附件  
 以上样品及信息由客户提供。

SGS工作编号: NP22-001796 - NB  
 样品接收日期: 2022年04月08日  
 检测周期: 2022年04月08日 - 2022年04月20日  
 检测要求: 根据客户要求检测  
 检测方法: 请参见下一页  
 检测结果: 请参见下一页  
 结论: 基于所送样品002的指定部位进行的检测, 镉、铅、汞、六价格的检测结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

基于所送样品001的指定部位进行的检测, 镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的检测结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

通标标准技术服务有限公司宁波分公司  
 授权签名

张倩倩

Ashley Zhang 张倩倩  
 批准签署人

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DDEC5311



SGS-CSTC Standards Technical Services Co., Ltd.  
 Ningbo Branch Chemical Laboratory

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## 检测报告

编号: NGBEC2200627404

日期: 2022年04月20日

第2页,共11页

检测结果:

检测样品描述:

样品编号	SGS样品ID	描述
SN1	NGB22-006274.001	白色塑料部分
SN2	NGB22-006274.002	银色金属部分

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

### RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

检测方法: 参考IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015和IEC 62321-8:2017, 采用ICP-OES,UV-Vis和GC-MS进行分析。

检测项目	限值	单位	MDL	001
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯(PBBs)之和	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND
五溴二苯醚	-	mg/kg	5	ND



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## 检测报告

编号: NGBEC2200627404

日期: 2022年04月20日

第3页,共11页

检测项目	限值	单位	MDL	001
六溴二苯醚	-	mg/kg	5	ND
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸丁苯酯(BBP)	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1000	mg/kg	50	ND

## 备注:

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列

[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)。

(3) 2021年7月22号开始, DEHP, BBP, DBP 和 DIBP的限制适用于医疗器械, 包括体外医疗器械, 监控仪表, 包括工业监测和控制仪器。

## RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

检测方法: 参考IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 和 IEC 62321-7-1:2015, 采用ICP-OES和UV-Vis 进行分析。

检测项目	限值	单位	MDL	002
镉 (Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))▼	-	µg/cm <sup>2</sup>	0.10	ND

## 备注:

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列

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(3) ▼ = a. 当六价铬的浓度高于0.13 µg/cm<sup>2</sup>时, 样品为阳性, 即含有六价铬;b. 当六价铬的浓度为ND(低于0.10 µg/cm<sup>2</sup>)时, 样品为阴性, 即未检测到六价铬;c. 当六价铬的浓度介于0.10 µg/cm<sup>2</sup>与0.13 µg/cm<sup>2</sup>之间时, 无法直接判定是否检测到六价铬, 因不同个体的样品表面差异可能会影响测定结果;

由于未获知样品的存储条件和生产日期, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。



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## 检测报告

编号: NGBEC2200627404

日期: 2022年04月20日

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附件:

XH, 1.0, SH, SHD, 1.25, 51021, DF14, DF13, GH, ZH, PH, PHB, PA, PHSD, DF11, C1251, 51047, 51146, FI-S, PHD, YHD200, PA, SMP, SMW, SMH, SMH200, SMH200-H, YH200, 20039WR, 杜邦2.0, XH/TJC3, XA, HA, XHB, XHD, XHE, EH, EI, 小四P, 5263, 5264, 5267, 5268, SZN, SAN, SCN, SCND, JC15, JC20, JC25, 5102, 5240, SMH250, SMP250, SMW250, 25048HS, 25045HP, SM, TJC8, 杜邦2.54, TJC8A, 杜邦带锁, TJC8B, TJC8H, 5051, 2510, 美尚美, 43640, 43645, 43020, 43025, 5500, 5600, VH, VHRR, YH396, VHR, 35156, 2139, 3.96, 90331, 5195, 5196, 39612, FL, 5557, 5559, 5566, 5569, SL, RV42, EL, YL, 小EL, 8981, 大四P, 5058, 5.08, L6.2, VL, VLP/VLR, TJC2, TJC2A, TJC2B, TJC4, TJC1, 1806, MX3.0, 1.58, 51005, 51006, BH3.5, BH4.0, 63080, 51004, TJC15, A4203, CL014, OTP, MKH, SMF, Cy-X201, 35108, 35150, 35151, 35224, 35180, 35965, 42021, 42022, 42002, 35955, SA, SCS, 35189, 35196, CH10, CH2.5, 543, SLP, SLR, YHL500, YWL500, FFC, FPC, 20030, 250, LGC, S11, YH025, 35155, 25415, 5197, 5198, 110, 2.8, 6.3, SCS

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编号: NGBEC2200627404

日期: 2022年04月20日

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## 检测报告

编号: NGBEC2200627404

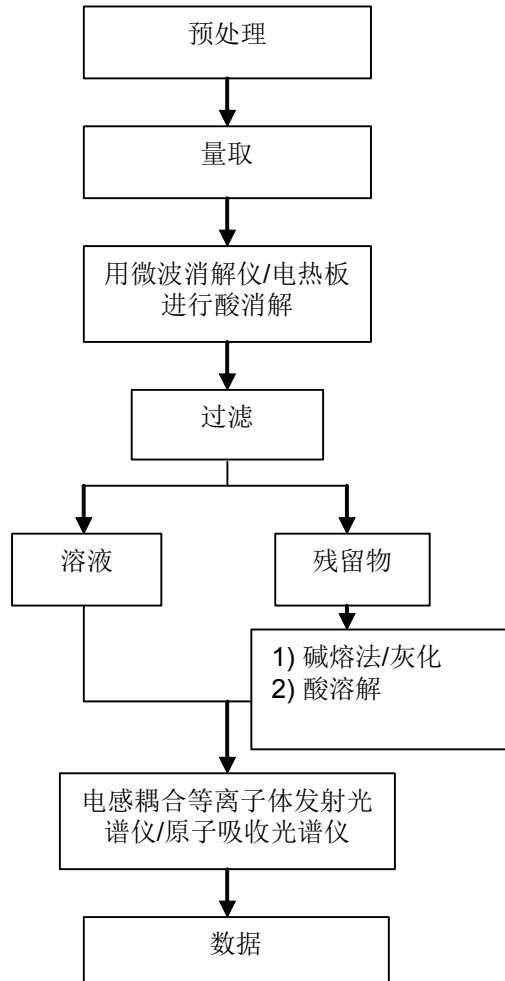
日期: 2022年04月20日

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## 附件

## 元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解



## 检测报告

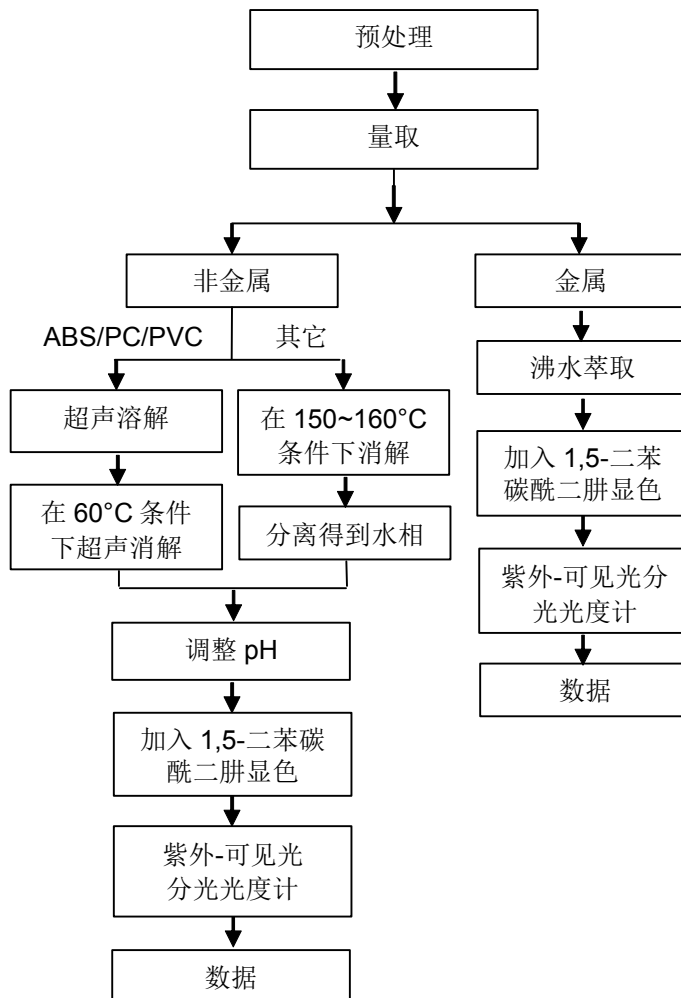
编号: NGBEC2200627404

日期: 2022年04月20日

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## 附件

## 六价铬测试流程图



检测报告

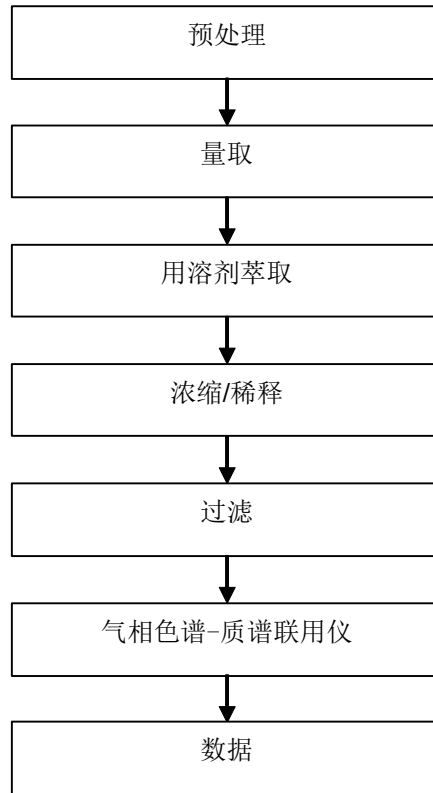
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附件

### PBBs/PBDEs 测试流程图



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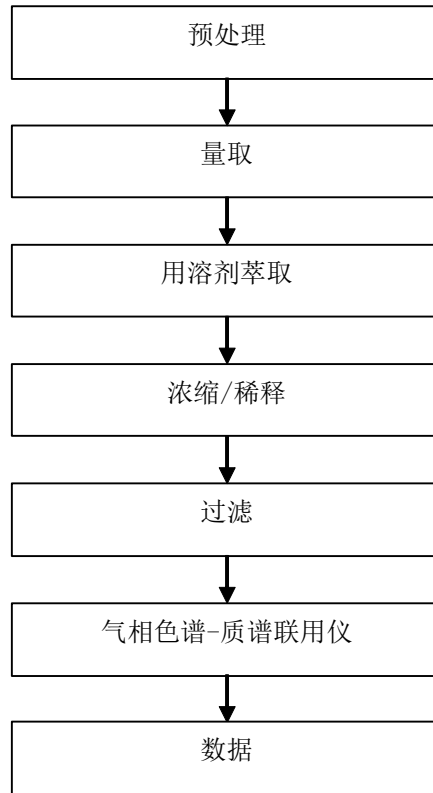
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附件

## Phthalates 测试流程图



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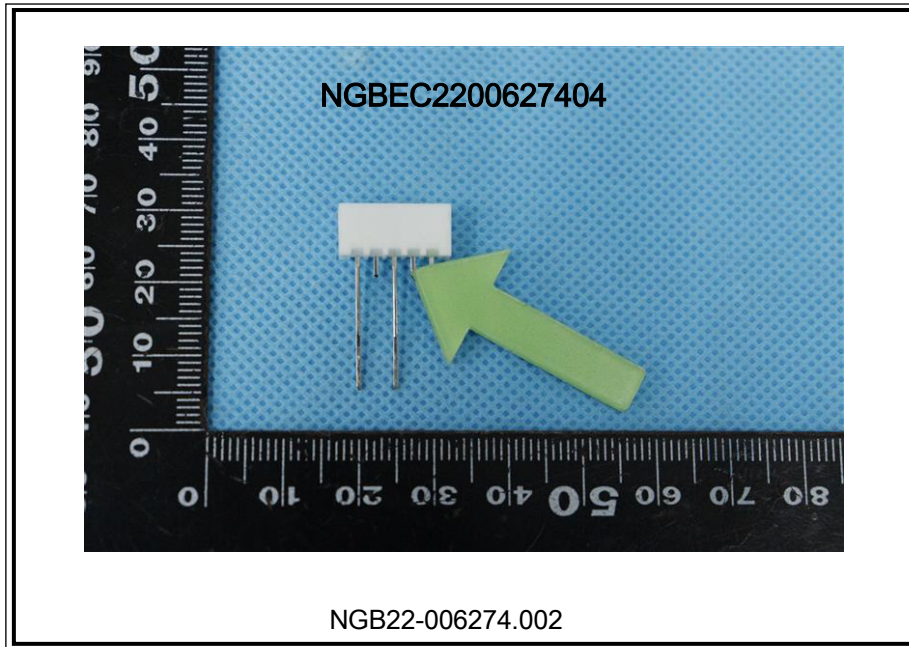
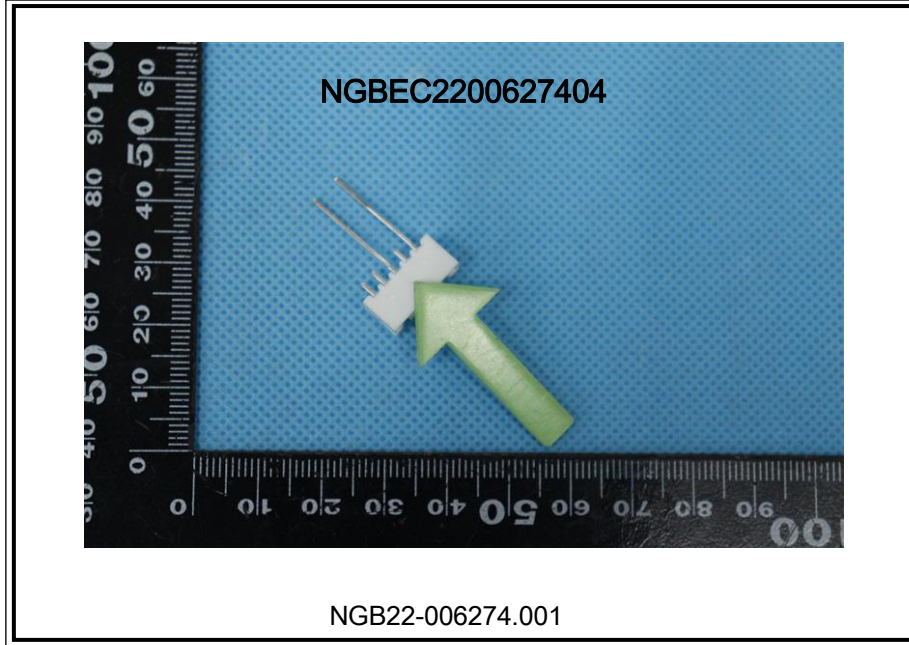
## 检测报告

编号: NGBEC2200627404

日期: 2022年04月20日

第11页,共11页

样品照片:



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\*\*\* 报告完 \*\*\*



## 检测报告

编号: NGBEC2200904704

日期: 2022年05月17日

第1页,共7页

客户名称: 浙江联和电子有限公司  
 客户地址: 浙江省乐清市乐清湾港区创新路8号

样品名称: 端子 针  
 客户参考信息: 见附件  
 以上样品及信息由客户提供。

SGS工作编号: NP22-002236 - NB  
 样品接收日期: 2022年05月07日  
 检测周期: 2022年05月07日 - 2022年05月17日  
 检测要求: 根据客户要求检测  
 检测方法: 请参见下一页  
 检测结果: 请参见下一页  
 结论: 基于所送样品进行的检测, 镉、铅、汞、六价铬的检测结果显示符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

通标标准技术服务有限公司宁波分公司  
 授权签名

张倩倩

Ashley Zhang 张倩倩  
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## 检测报告

编号: NGBEC2200904704

日期: 2022年05月17日

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检测结果:

检测样品描述:

样品编号	SGS样品ID	描述
SN1	NGB22-009047.001	银色金属

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

### RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

检测方法: 参考IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 和 IEC 62321-7-1:2015, 采用ICP-OES和UV-Vis 进行分析。

检测项目	限值	单位	MDL	001
镉 (Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	5
汞 (Hg)	1000	mg/kg	2	ND
六价铬(Cr(VI))▼	-	µg/cm <sup>2</sup>	0.10	ND

备注:

- (1) 最大允许限值引用自RoHS指令(EU) 2015/863。
- (2) IEC 62321 系列等同于 EN 62321 系列  
[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)
- (3) ▼ = a. 当六价铬的浓度高于0.13 µg/cm<sup>2</sup>时, 样品为阳性, 即含有六价铬;  
b. 当六价铬的浓度为ND(低于0.10 µg/cm<sup>2</sup>)时, 样品为阴性, 即未检测到六价铬;  
c. 当六价铬的浓度介于0.10 µg/cm<sup>2</sup>与0.13 µg/cm<sup>2</sup>之间时, 无法直接判定是否检测到六价铬, 因不同个体的样品表面差异可能会影响测定结果;  
由于未获知样品的存储条件和生产日期, 样品的六价铬测试结果仅能代表测试时样品含六价铬的状态。除非另有说明, 参照ILAC-G8:09/2019, 使用简单接受 (w=0) 的二元判定规则进行符合性判定。除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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## 检测报告

编号: NGBEC2200904704

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附件:

XH, 1.0, SH, SHD, 1.25, 51021, DF14, DF13, GH, ZH, PH, PHB, PA, PHSD, DF11, C1251, 51047, 51146, FI-S, PHD, YHD200, PA, SMP, SMW, SMH, SMH200, SMH200-H, YH200, 20039WR, 杜邦2.0, XH/TJC3, XA, HA, XHB, XHD, XHE, EH, EI, 小四P, 5263, 5264, 5267, 5268, SZN, SAN, SCN, SCND, JC15, JC20, JC25, 5102, 5240, SMH250, SMP250, SMW250, 25048HS, 25045HP, SM, TJC8, 杜邦2.54, TJC8A, 杜邦带锁, TJC8B, TJC8H, 5051, 2510, 美尚美, 43640, 43645, 43020, 43025, 5500, 5600, VH, VHRR, YH396, VHR, 35156, 2139, 3.96, 90331, 5195, 5196, 39612, FL, 5557, 5559, 5566, 5569, SL, RV42, EL, YL, 小EL, 8981, 大四P, 5058, 5.08, L6.2, VL, VLP/VLR, TJC2, TJC2A, TJC2B, TJC4, TJC1, 1806, MX3.0, 1.58, 51005, 51006, BH3.5, BH4.0, 63080, 51004, TJC15, A4203, CL014, OTP, MKH, SMF, Cy-X201, 35108, 35150, 35151, 35224, 35180, 35965, 42021, 42022, 42002, 35955, SA, SCS, 35189, 35196, CH10, CH2.5, 543, SLP, SLR, YHL500, YWL500, FFC, FPC, 20030, 250, LGC, S11, YH025, 35155, 25415, 5197, 5198, 110, 2.8, 6.3, SCS

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检测报告

编号: NGBEC2200904704

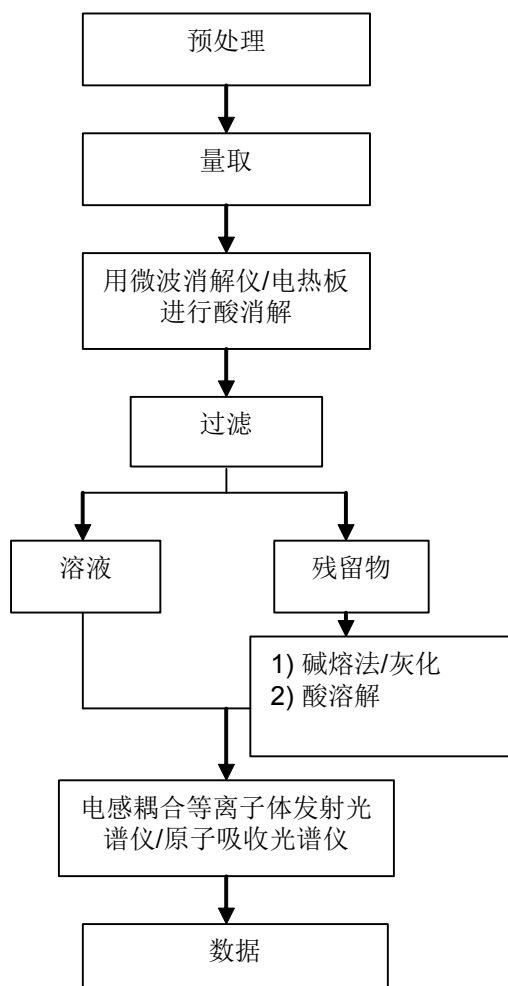
日期: 2022年05月17日

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附件

## 元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解



## 检测报告

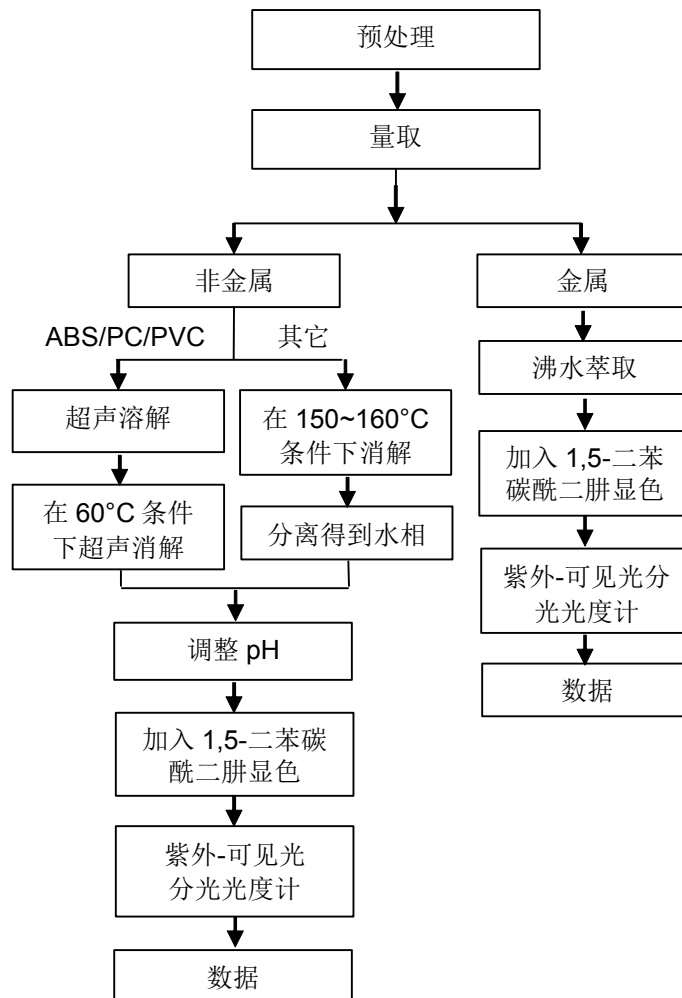
编号: NGBEC2200904704

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## 附件

## 六价铬测试流程图



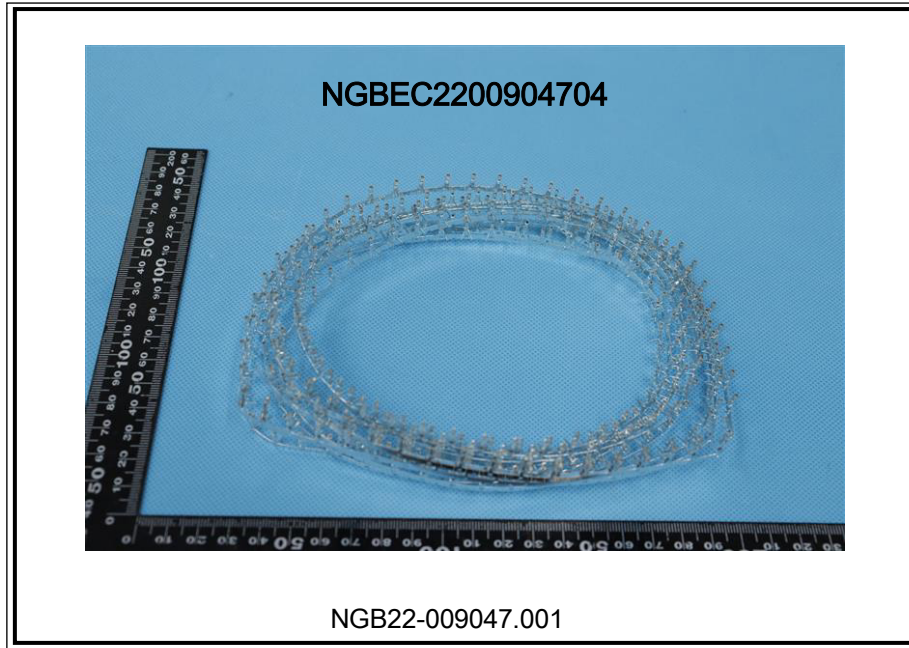
## 检测报告

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## 检测报告

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日期: 2022年04月27日

第1页,共10页

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 客户地址: 浙江省乐清市乐清湾港区乐商创业园

样品名称: LCP 连接器  
 型号: 1.25-4AB  
 客户参考信息: 见附件  
 以上样品及信息由客户提供。

SGS工作编号: NP22-001952 - NB  
 样品接收日期: 2022年04月21日  
 检测周期: 2022年04月21日 - 2022年04月27日  
 检测要求: 根据客户要求检测  
 检测方法: 请参见下一页  
 检测结果: 请参见下一页  
 结论: 基于所送样品的指定部位进行的检测, 镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苯酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的检测结果显示符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值要求。

通标标准技术服务有限公司宁波分公司  
 授权签名

张倩倩

Ashley Zhang 张倩倩  
 批准签署人

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## 检测报告

编号: NGBEC2200697436

日期: 2022年04月27日

第2页,共10页

检测结果:

检测样品描述:

样品编号	SGS样品ID	描述
SN1	NGB22-006974.010	米黄色塑料部分

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

### RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

检测方法: 参考IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017, IEC 62321-6:2015和IEC 62321-8:2017, 采用ICP-OES,UV-Vis和GC-MS进行分析。

检测项目	限值	单位	MDL	010
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯(PBBs)之和	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND



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## 检测报告

编号: NGBEC2200697436

日期: 2022年04月27日

第3页,共10页

检测项目	限值	单位	MDL	010
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	1000	mg/kg	50	ND
邻苯二甲酸二(2-乙基己基)酯(DEHP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1000	mg/kg	50	ND

### 备注:

(1) 最大允许极限值引用自RoHS指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列

[https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)。

(3) 2021年7月22号开始, DEHP, BBP, DBP 和 DIBP的限制适用于医疗器械, 包括体外医疗器械, 监控仪表, 包括工业监测和控制仪器。

除非另有说明, 参照ILAC-G8:09/2019, 使用简单接受 ( $w=0$ ) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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## 检测报告

编号: NGBEC2200697436

日期: 2022年04月27日

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附件:

XH, 1.0, SH, SHD, 1.25, 51021, DF14, DF13, GH, ZH, PH, PHB, PA, PHSD, DF11, C1251, 51047, 51146, FI-S, PHD, YHD200, PA, SMP, SMW, SMH, SMH200, SMH200-H, YH200, 20039WR, 杜邦2.0, XH/TJC3, XA, HA, XHB, XHD, XHE, EH, EI, 小四P, 5263, 5264, 5267, 5268, SZN, SAN, SCN, SCND, JC15, JC20, JC25, 5102, 5240, SMH250, SMP250, SMW250, 25048HS, 25045HP, SM, TJC8, 杜邦2.54, TJC8A, 杜邦带锁, TJC8B, TJC8H, 5051, 2510, 美尚美, 43640, 43645, 43020, 43025, 5500, 5600, VH, VHRR, YH396, VHR, 35156, 2139, 3.96, 90331, 5195, 5196, 39612, FL, 5557, 5559, 5566, 5569, SL, RV42, EL, YL, 小EL, 8981, 大四P, 5058, 5.08, L6.2, VL, VLP/VLR, TJC2, TJC2A, TJC2B, TJC4, TJC1, 1806, MX3.0, 1.58, 51005, 51006, BH3.5, BH4.0, 63080, 51004, TJC15, A4203, CL014, OTP, MKH, SMF, Cy-X201, 35108, 35150, 35151, 35224, 35180, 35965, 42021, 42022, 42002, 35955, SA, SCS, 35189, 35196, CH10, CH2.5, 543, SLP, SLR, YHL500, YWL500, FFC, FPC, 20030, 250, LGC, S11, YH025, 35155, 25415, 5197, 5198, 110, 2.8, 6.3, SCS

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编号: NGBEC2200697436

日期: 2022年04月27日

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 D6206 D6207 D6208 D6209 D7001 D7002 D7003 D7004 D7005 D7006 D7007 D7008 D7009  
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 D2201 D2202 D2203 D2204 D2205 D2206 D2207 D2208 D2209



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## 检测报告

编号: NGBEC2200697436

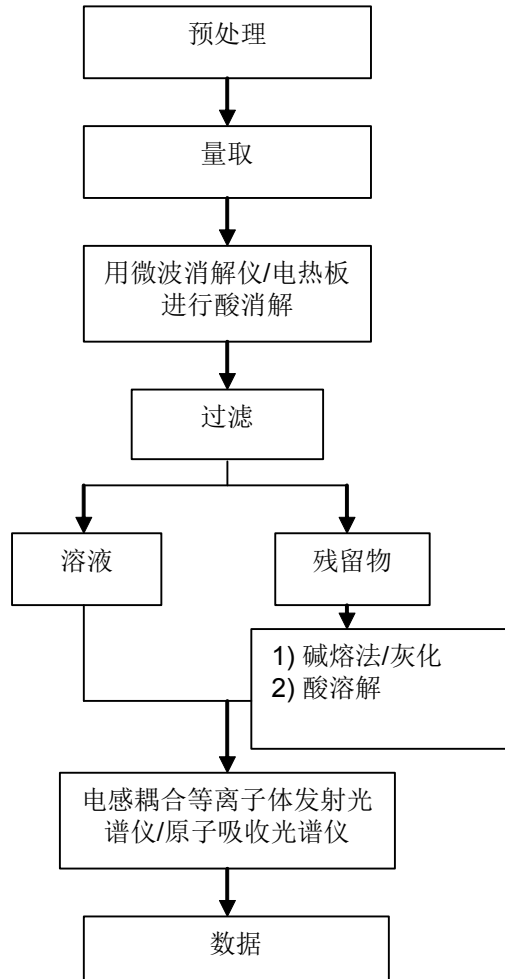
日期: 2022年04月27日

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## 附件

## 元素(IEC62321) 测试流程图

1)样品按照下述流程被完全消解



## 检测报告

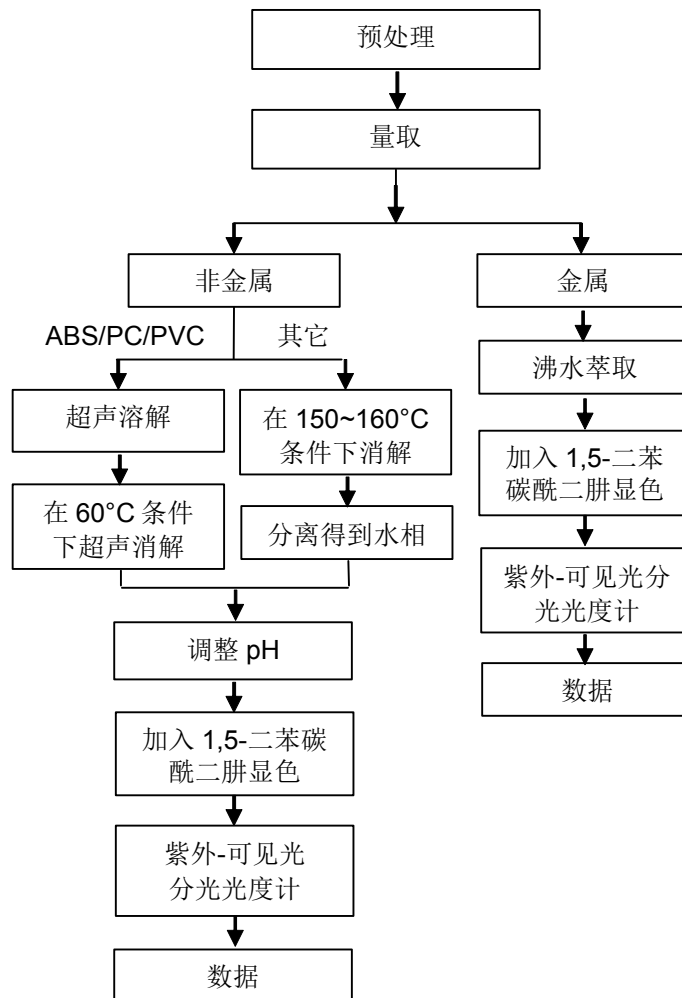
编号: NGBEC2200697436

日期: 2022年04月27日

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## 附件

## 六价铬测试流程图



检测报告

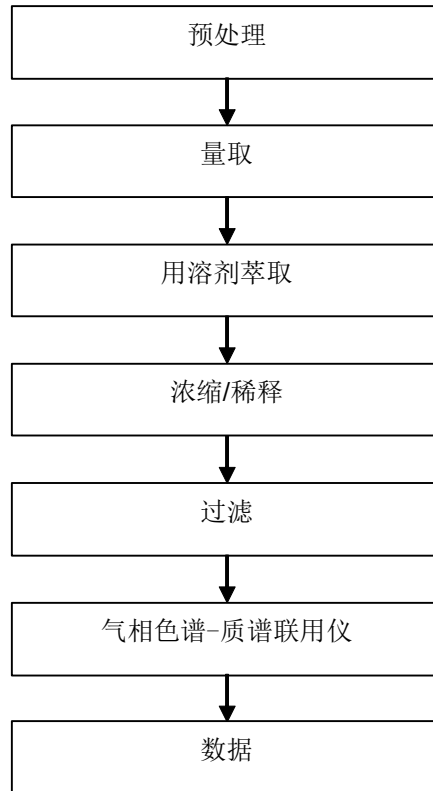
编号: NGBEC2200697436

日期: 2022年04月27日

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附件

### PBBs/PBDEs 测试流程图



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检测报告

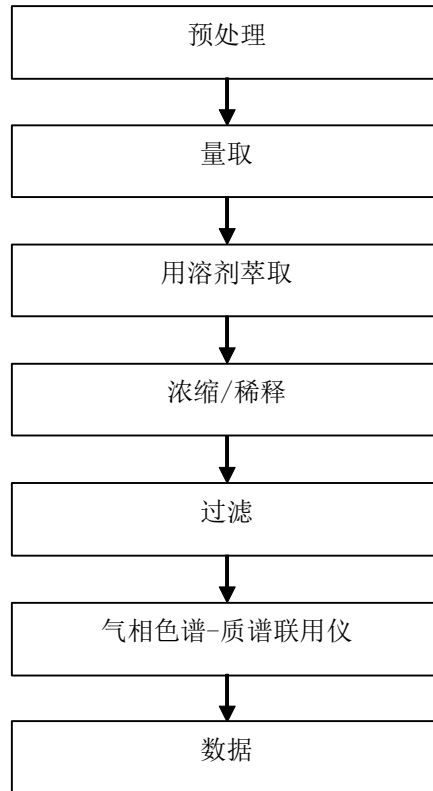
编号: NGBEC2200697436

日期: 2022年04月27日

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附件

## Phthalates 测试流程图



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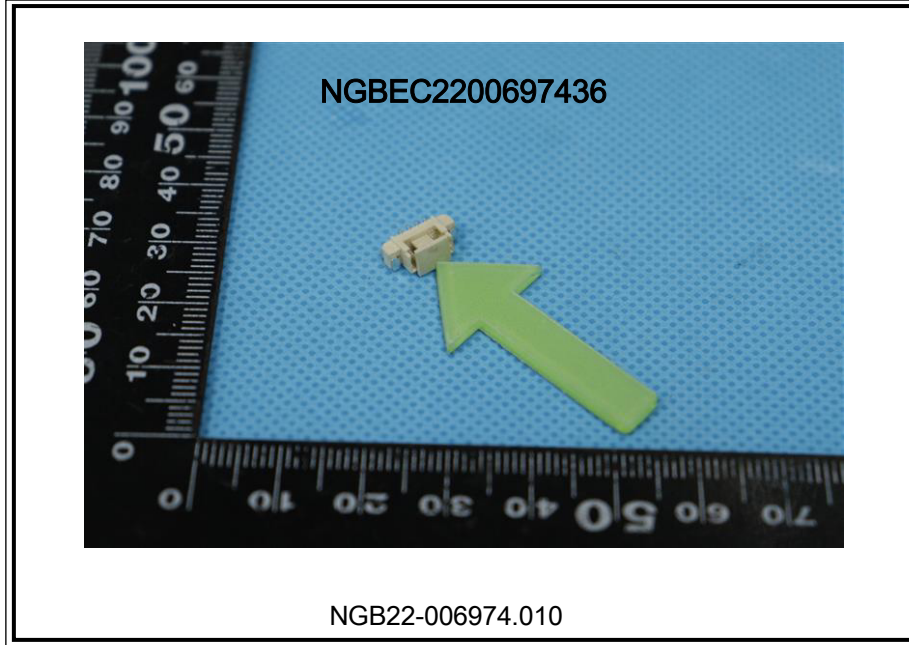
## 检测报告

编号: NGBEC2200697436

日期: 2022年04月27日

第10页,共10页

样品照片:



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\*\*\* 报告完 \*\*\*





编号: LHES006

## MSDS

## 1. 物品成分与厂商资料

厂商名称: 浙江联和电子有限公司	物品编号: QSN6.5-0.1
	物品名称: 磷铜端子
	纯物质:
	有害物质成分 (%) 无

## 2. 成份辨识资料

成份名称	化学文摘社登记号码(CAS No.)	浓度范围(成分百分比 Percentage %)
铜(Cu)	7440-50-8	余量
磷(P)	7723-14-0	0.0026-0.005%
锌(Zn)	7440-66-6	0.03-0.04%
镍(Ni)	7440-02-0	0.054-0.063%
锑(Sb)	7440-36-0	0.00015%
铅(Pb)	7439-92-1	<0.005%
铁(Fe)	7439-89-6	0.005-0.0059%
纯镍(Ni)	7440-02-0	0.054-0.063%
纯锡(Sn)	7440-31-5	6.2 %

## 2. 危害辨认资料

严重危害效应	健康危害效应: 本产品为固体时不具健康危害及危害
	环境影响: 本产品为固体时对环境不具影响
	物理性及化学性危害: 固体/无味/多色
	特殊危害: 固体时(防火或高温)无特殊危害

主要症状: 无

## 3. 急救措施

急救方法	吸入: 无吸入
	皮肤接触: 接触无危害
	食入: 无食入

主要症状及危害效应: 无

## 4. 灭火措施

通用灭火器: 二氧化碳, 泡沫, 干粉化学灭火器, 水雾等
灭火时可能遭遇之特殊危害: 会引起火灾
消防人员之特殊防护装备: 使用从氧式吸防护具

## 5. 泄漏处理方法

个人应注意事项: 注意工作台面清洁, 作业时及时清洗手
环境注意事项: 将泄漏之物料以容器盛装以便回收或废弃
清理方式: 工作台面每天作业前/后须擦拭干净, 建议可以戴手套或手指套作业

## 6. 安全处置与储存方法

处置: 废弃物可送到政府许可的废弃物处理中心进行处理
----------------------------

储存： <sup>46</sup> 空调仓，23±5℃，湿度 65%以下，仓库里面安装灭火器	
7. 暴露预防措施	
个人防护设备	呼吸防护：口罩，一般无此要求，可以建议采用
	手部防护设备：手套火手指套，一般无此要求，可以建议采用
	眼睛防护：安全目镜或眼镜
	皮肤及身体防护：穿工作服，经常勤洗
卫生措施：建议使用安全目镜，进食前应洗手及脸部，平时多运动，保持健康体力	
8. 物料及化学性质	
物质状态：固体	形状：连接器
颜色：多色	气味：无味
PH 值：未测定	沸点：未测定
分解温度：未测定	爆炸介限：无
自然温度：固体无	溶解度：固体无
9. 安全性及反应性	
安全性：正常状态下安全	
特殊状况下可能之危害反应：无	
应避免之状况：避免接触火源和太阳光直射	
应避免之物质：火和酸碱性物质	
危害分解物：无	
10. 毒性资料	
急毒性	吸入：无
	皮肤接触：无
	眼睛：无
局部效应：无	特殊效应：无
11. 废弃物处理方法：废弃物可送到政府许可的废弃物处理中心进行处理	
12. 运送资料	
联合国编号：无	运输规定：并无危险分类
运送方法及注意事项：勿重压，轻拿轻放	
13. 适用法规：1.劳工安全卫生设施规划；2.危害物及有害物通讯规划；3.索尼环境通用规定；4 劳工用业环境空气中有害物容许溶度标准；5 道路交通安全规划	
14. 其他资料：	
15.法规资料	
适用法规	1.劳工安全卫生设施规则 2.RoHS 法规及有害物通识规则
16.其它资料	
参考文献	有害化学物质中文资料库，环保局
制表单位	浙江联和电子有限公司
制造商及供应商地址	浙江省温州乐清市乐清湾港区创新路8号
电话	0577-62383699
制表者	季育文
制表日期	2021-3-23

77  
编号: LHE-S006

## 成品 MSDS

### 1. 物品成分与厂商资料

厂商名称: 浙江联和电子有限公司	物品编号: LHE-WF1001
	物品名称: 黄铜镀锡针
地址: 浙江省温州乐清市乐清湾港区创新路8号	纯物质:
联络电话: 0577-62383699	有害物质成分 (%) 无

### 2. 成份辨识资料

成份名称	化学文摘社登记号码(CAS No.)	浓度范围 (成分百分比 Percentage (%))
铜(Cu)	7440-50-8	64.9%
磷(P)	7723-14-0	0.001%
锌(Zn)	7440-66-6	余量
镍(Ni)	7440-02-0	0.01%
锑(Sb)	7440-36-0	0.001%
铅(Pb)	7439-92-1	<0.009%
铁(Fe)	7439-89-6	<0.1%
纯镍(Ni)	7440-02-0	0.05%
纯锡(Sn)	7440-31-5	0.1%

### 2. 危害辨认资料

严重危害效应	健康危害效应: 本产品为固体时不具健康危害及危害
	环境影响: 本产品为固体时对环境不具影响
	物理性及化学性危害: 固体/无味/多色
	特殊危害: 固体时(防火或高温)无特殊危害

主要症状: 无

### 3. 急救措施

急救方法	吸入: 无吸入
	皮肤接触: 接触无危害
	食入: 无食入

主要症状及危害效应: 无

### 4. 灭火措施

通用灭火器: 二氧化碳, 泡沫, 干粉化学灭火器, 水雾等

灭火时可能遭遇之特殊危害: 会引起火灾

消防人员之特殊防护装备: 使用从氧式吸防护具

### 5. 泄漏处理方法

个人应注意事项: 注意工作台面清洁, 作业时及时清洗手

环境注意事项: 将泄漏之物料以容器盛装以便回收或废弃

清理方式: 工作台面每天作业前/后须擦拭干净, 建议可以戴手套或手指套作业

### 6. 安全处置与储存方法

处置: 废弃物可送到政府许可的废弃物处理中心进行处理

储存： <sup>78</sup> 空调仓，23±5℃，湿度 65%以下，仓库里面安装灭火器	
7. 暴露预防措施	
个人防护设备	呼吸防护：口罩，一般无此要求，可以建议采用
	手部防护设备：手套火手指套，一般无此要求，可以建议采用
	眼睛防护：安全目镜或眼镜
	皮肤及身体防护：穿工作服，经常勤洗
卫生措施：建议使用安全目镜，进食前应洗手及脸部，平时多运动，保持健康体力	
8. 物料及化学性质	
物质状态：固体	形状：连接器
颜色：多色	气味：无味
PH 值：未测定	沸点：未测定
分解温度：未测定	爆炸介限：无
自然温度：固体无	溶解度：固体无
9. 安全性及反应性	
安全性：正常状态下安全	
特殊状况下可能之危害反应：无	
应避免之状况：避免接触火源和太阳光直照射	
应避免之物质：火和酸碱性物质	
危害分解物：无	
10. 毒性资料	
急毒性	吸入：无
	皮肤接触：无
	眼睛：无
局部效应：无	特殊效应：无
11. 废弃物处理方法：废弃物可送到政府许可的废弃物处理中心进行处理	
12. 运送资料	
联合国编号：无	运输规定：并无危险分类
运送方法及注意事项：勿重压，轻拿轻放	
13. 适用法规：1.劳工安全卫生设施规划；2.危害物及有害物通讯规划；3.索尼环境通用规定；4 劳工用业环境空气有害物容许溶度标准；5 道路交通安全规划	
14. 其他资料：	
15.法规资料	
适用法规	1.劳工安全卫生设施规则 2.RoHS 法规及有害物通识规则
16.其它资料	
参考文献	有害化学物质中文资料库，环保局
制表单位	浙江联和电子有限公司
制造商及供应商地址	浙江省温州乐清市乐清湾港区创新路8号
电话	0577-62383699
制表者	陈浙海
制表日期	2021-3-23



